

FIG. 1

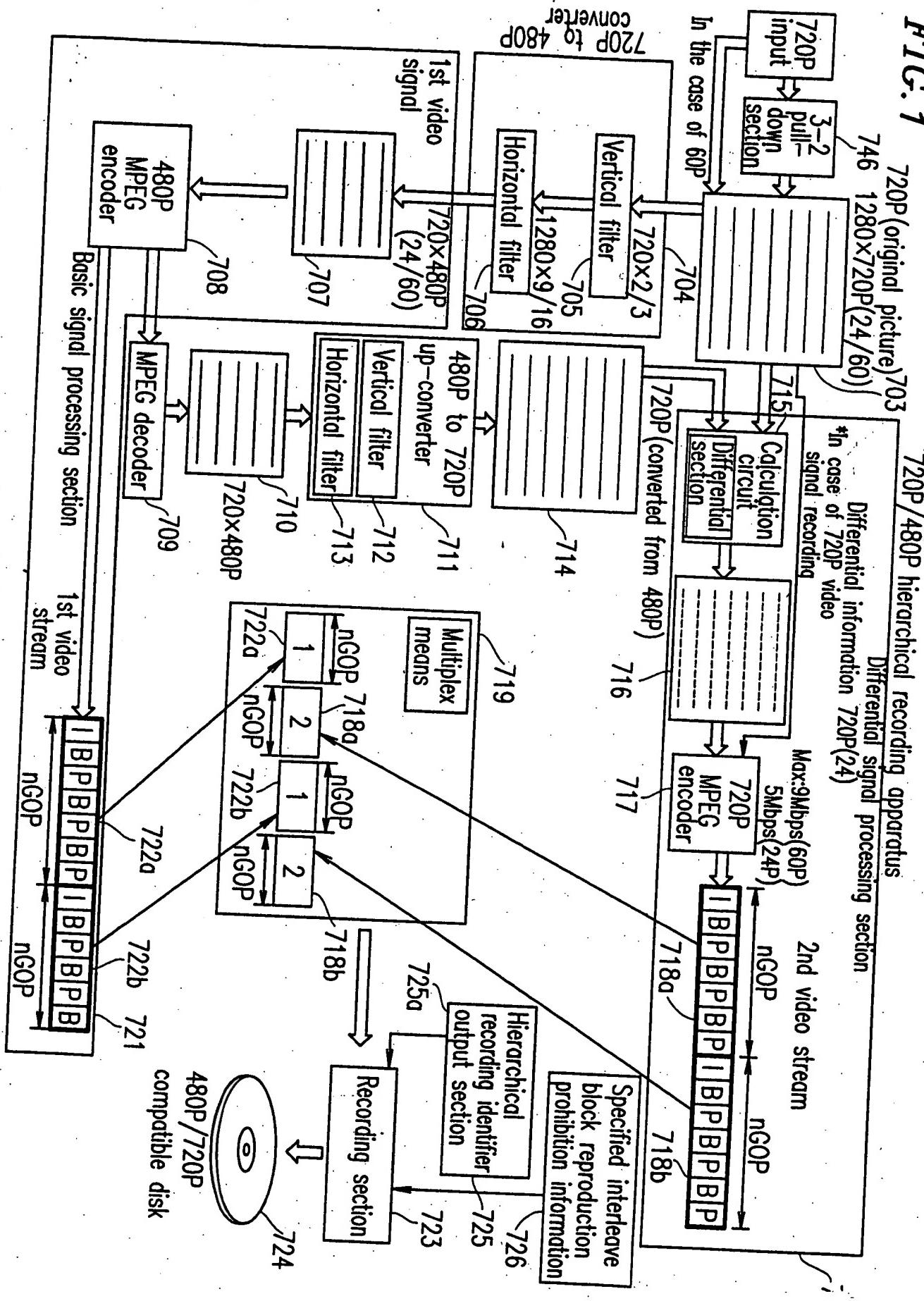


FIG. 2

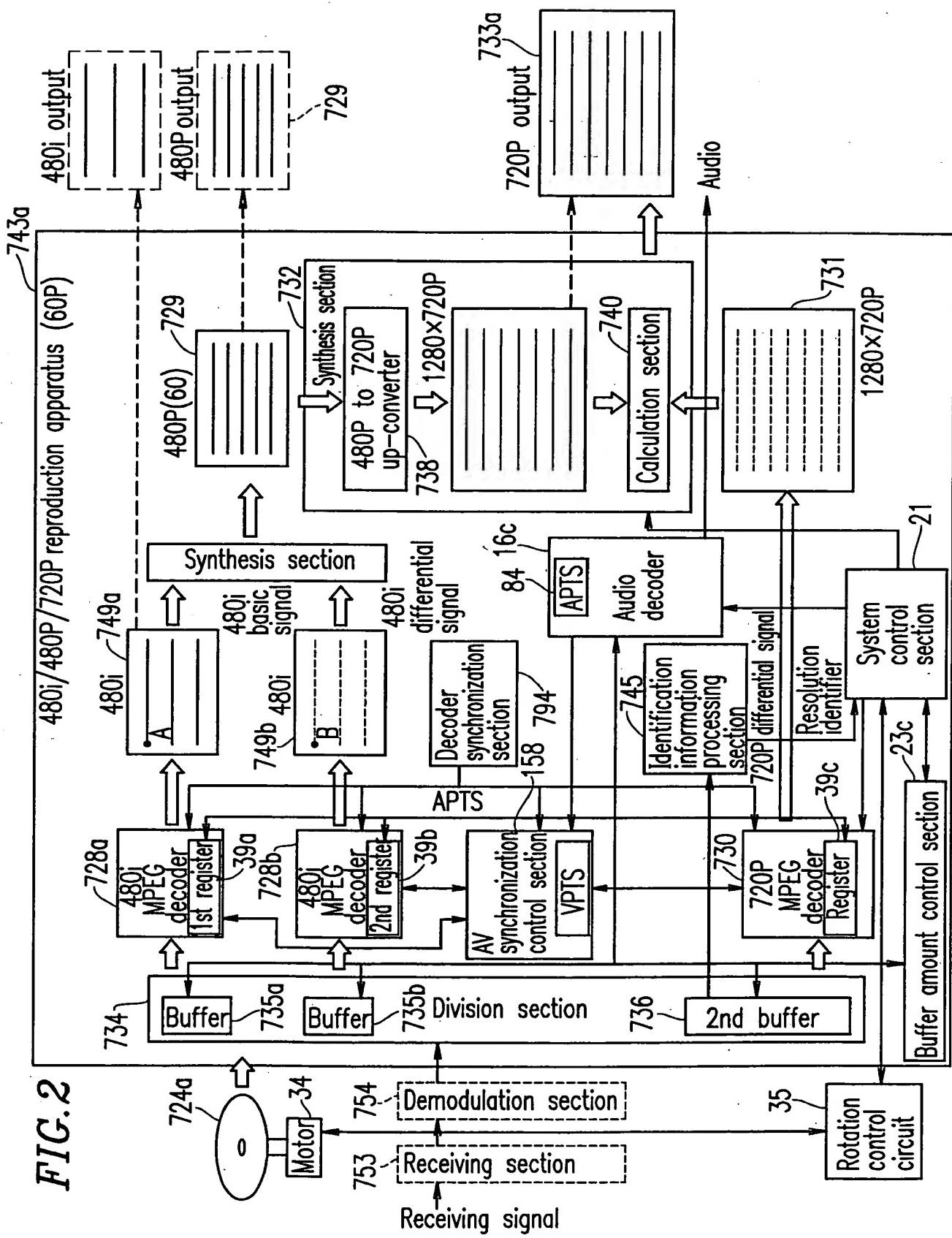


FIG. 3

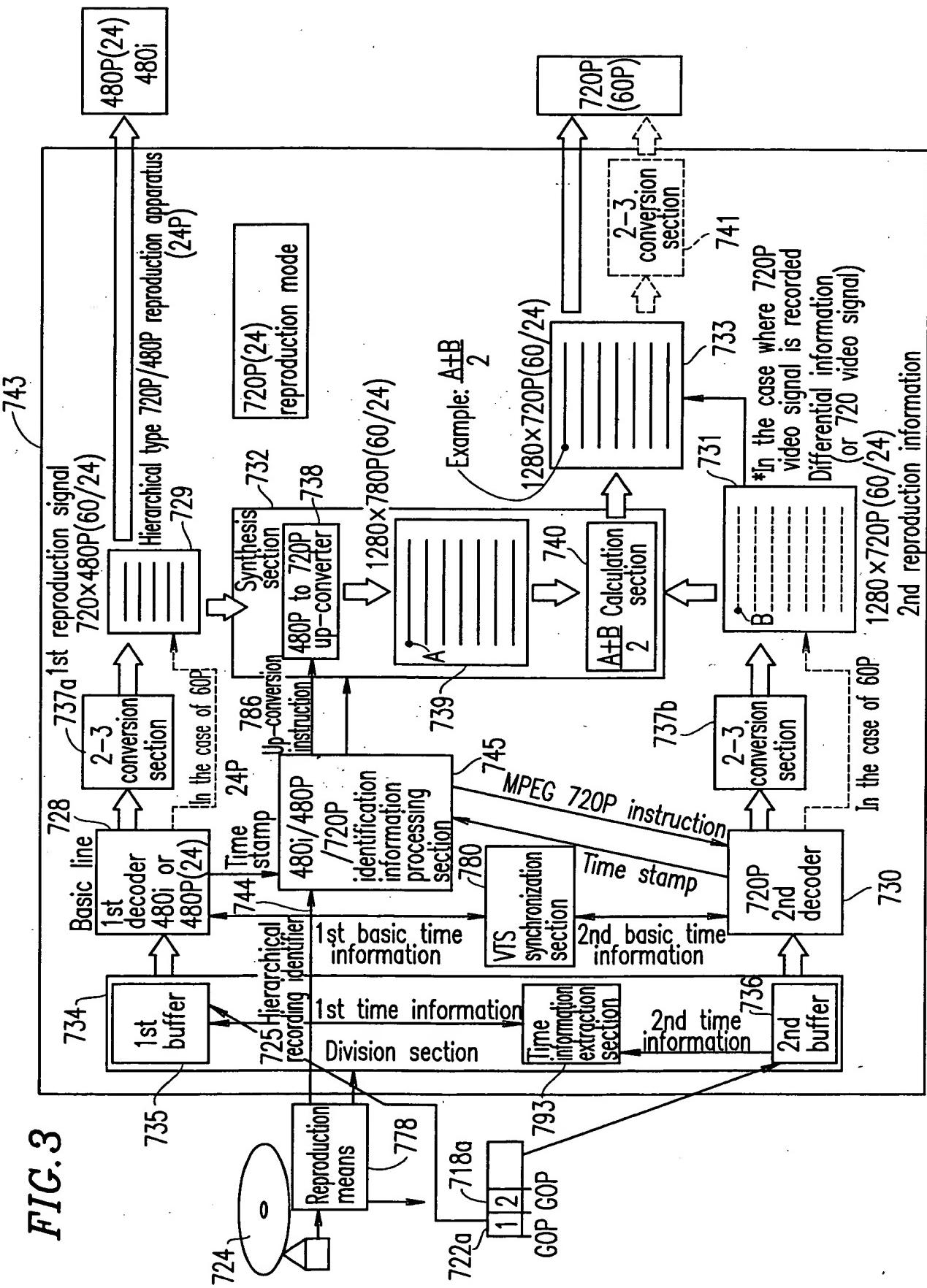
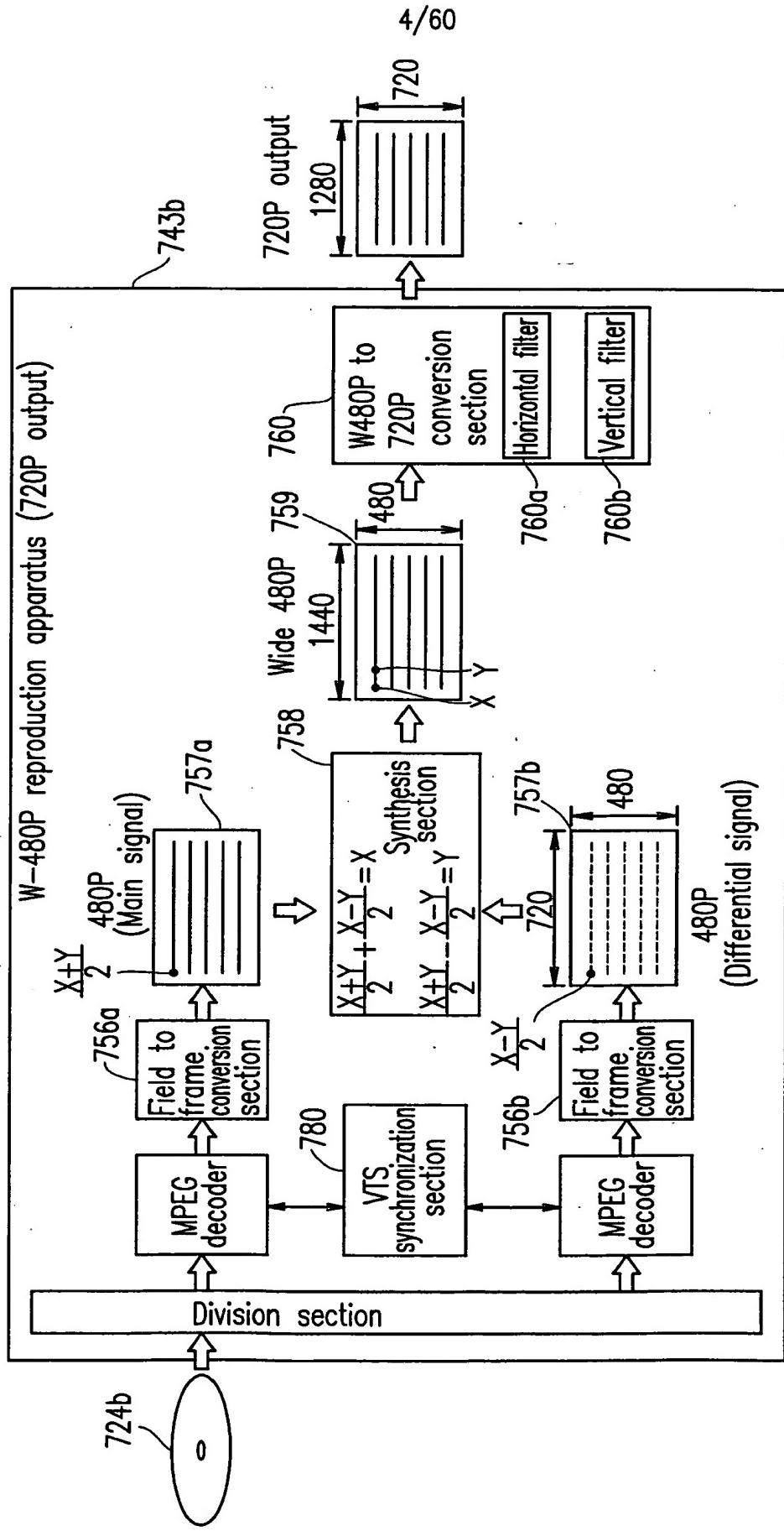
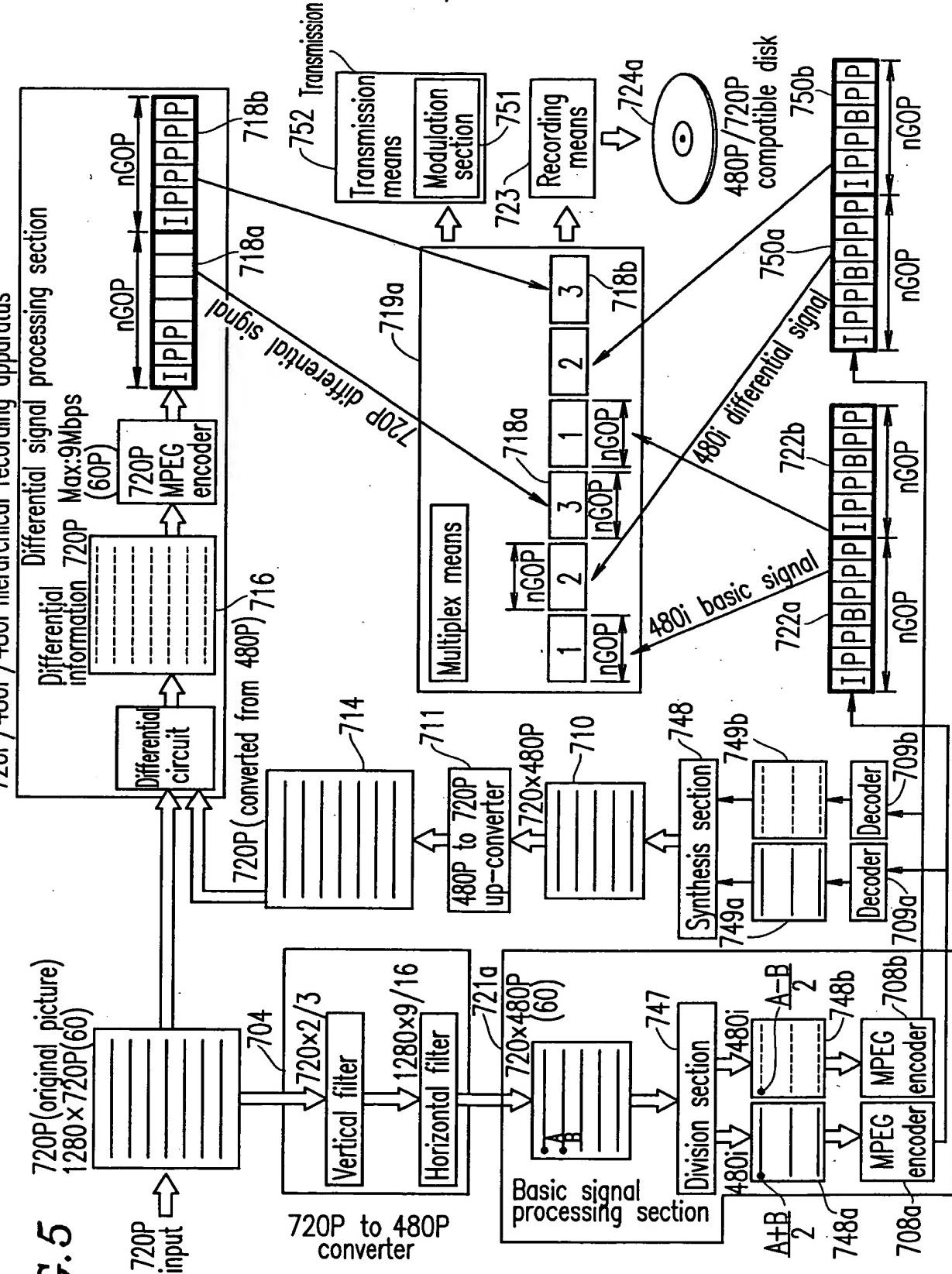


FIG. 4



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FIG. 5 720P (original picture)
1280x720P(60)
720P input
720P to 480P converter



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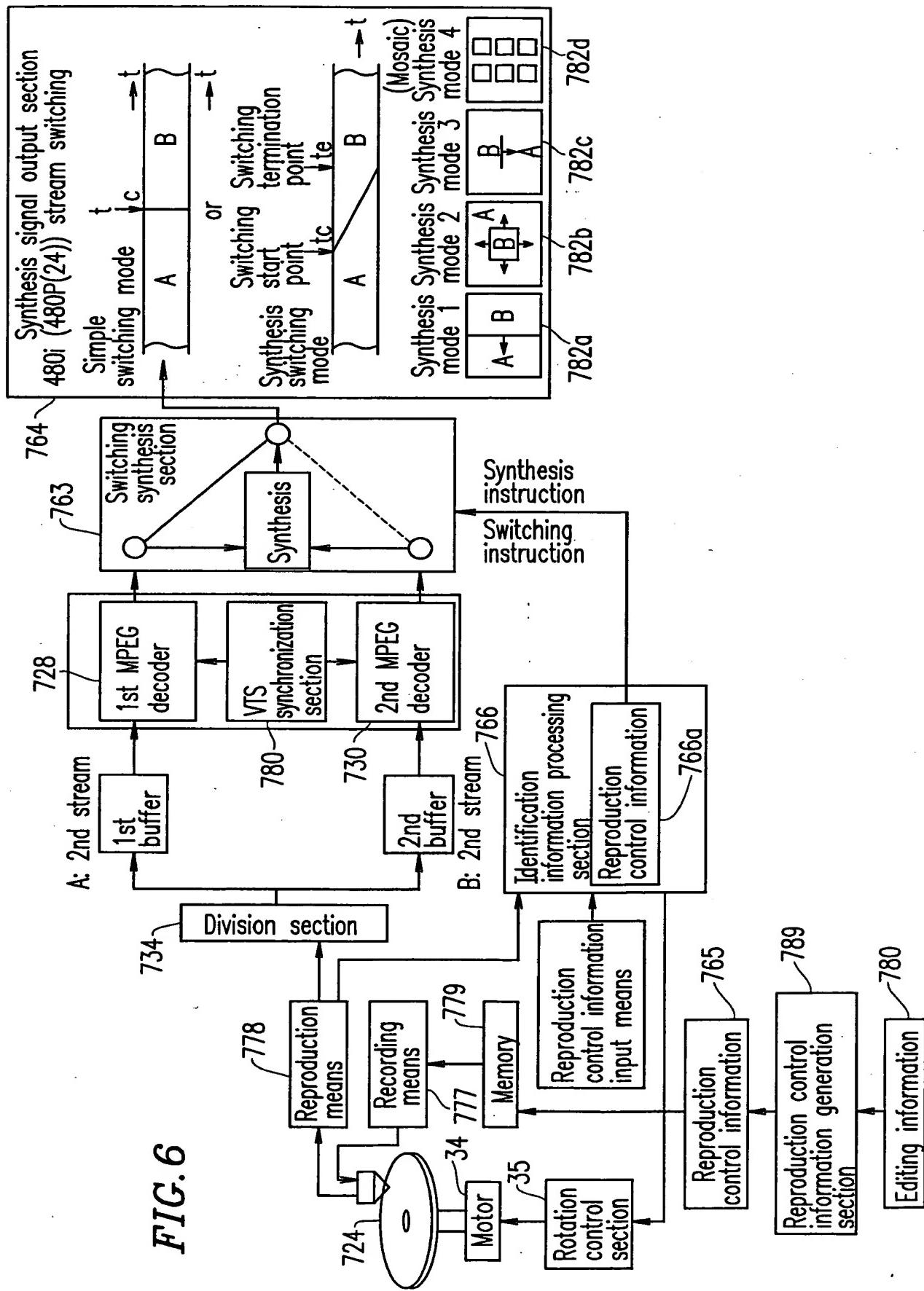


FIG. 7

Recording steps of stream 1 and 2

1. 1st stream data input



2. 1st stream recording

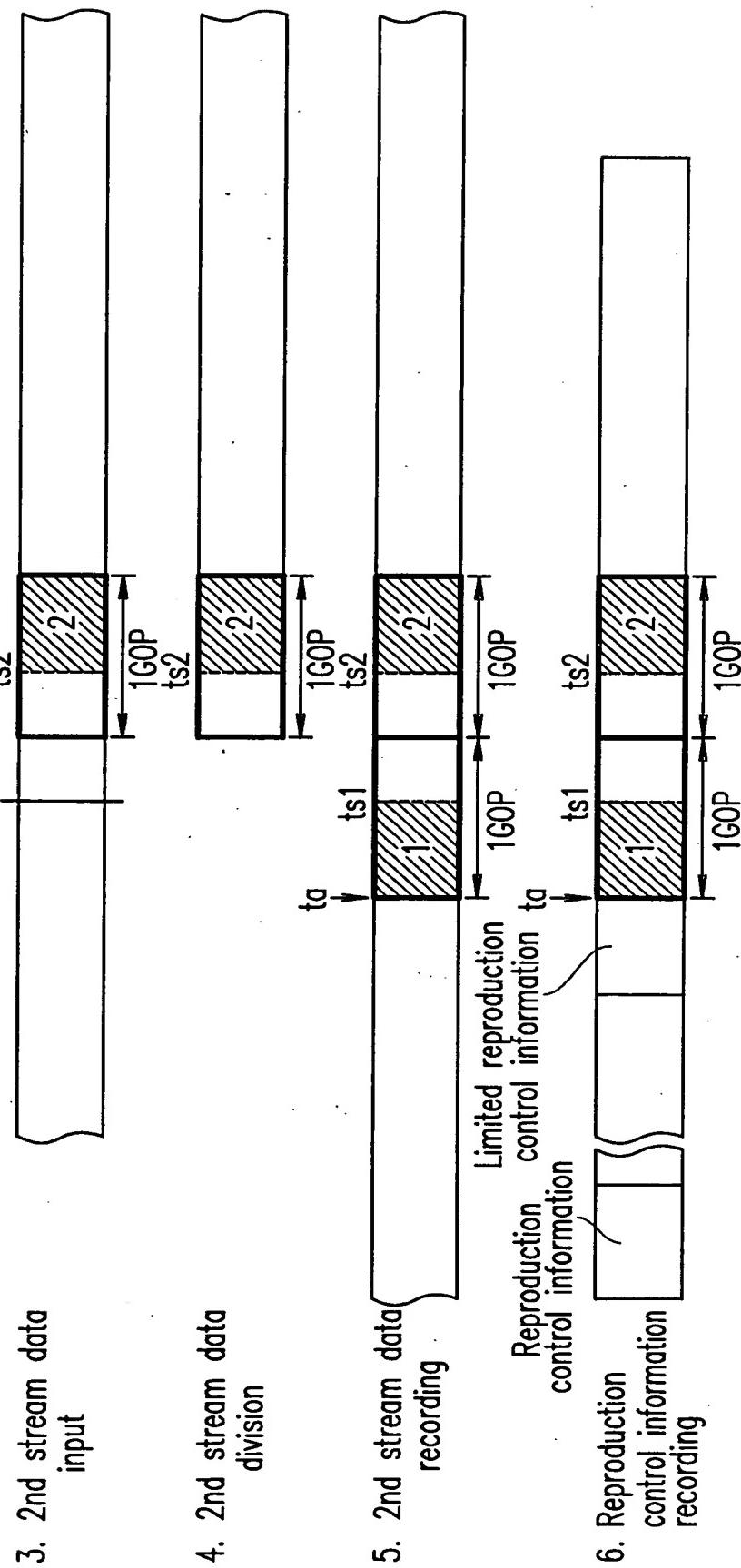
3. 2nd stream data input

4. 2nd stream data division

5. 2nd stream data recording

6. Reproduction control information recording

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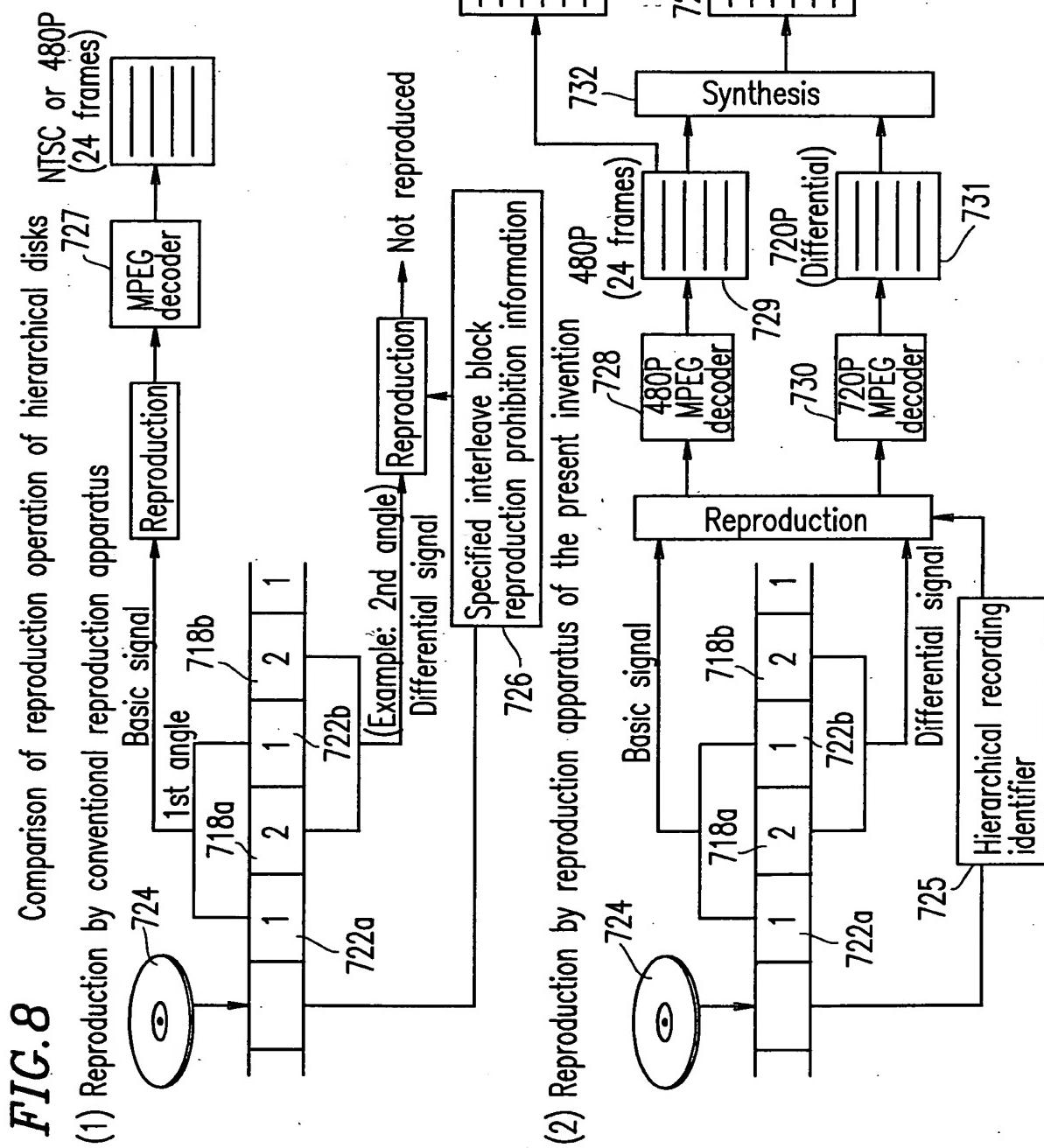
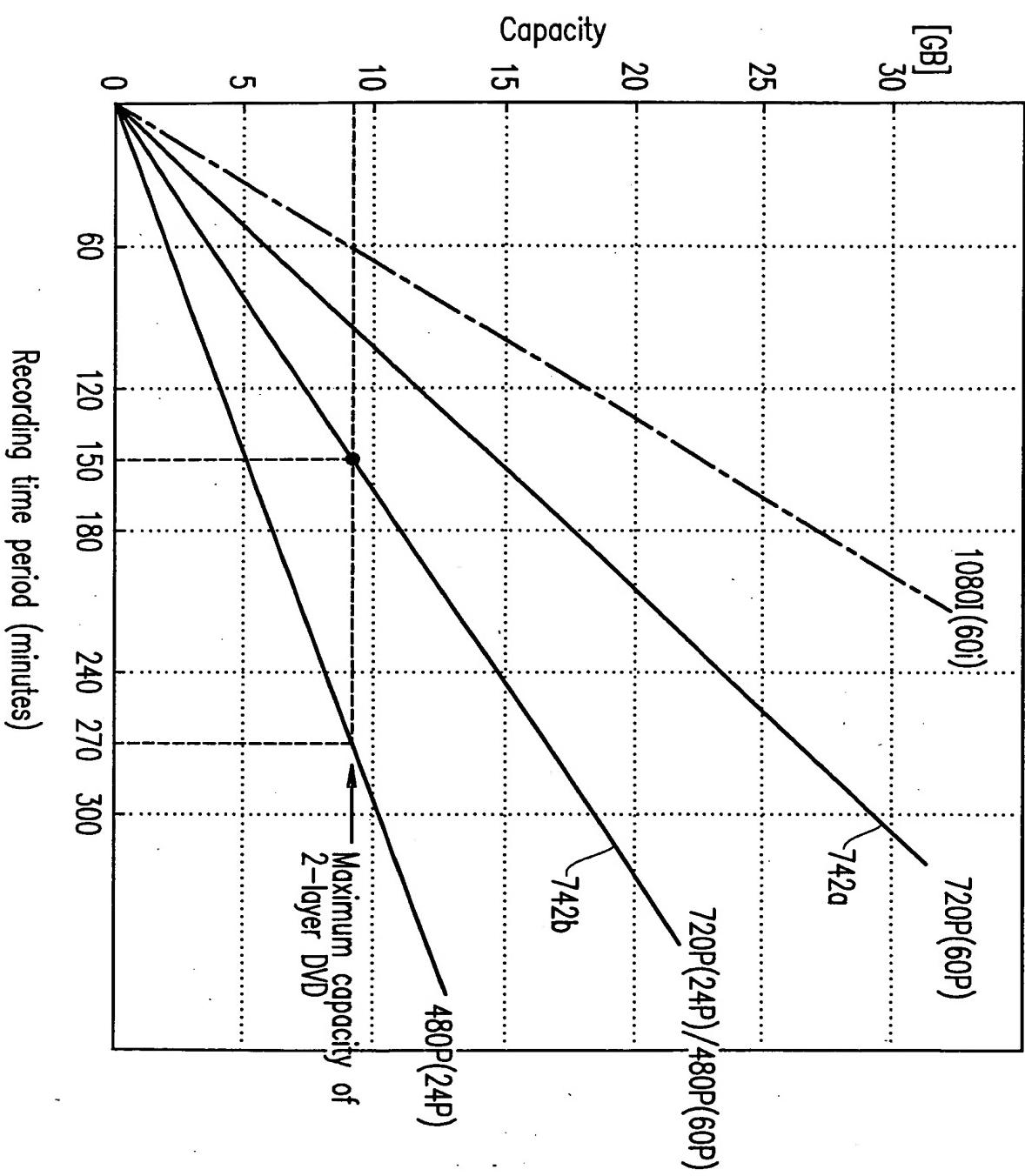


FIG.9



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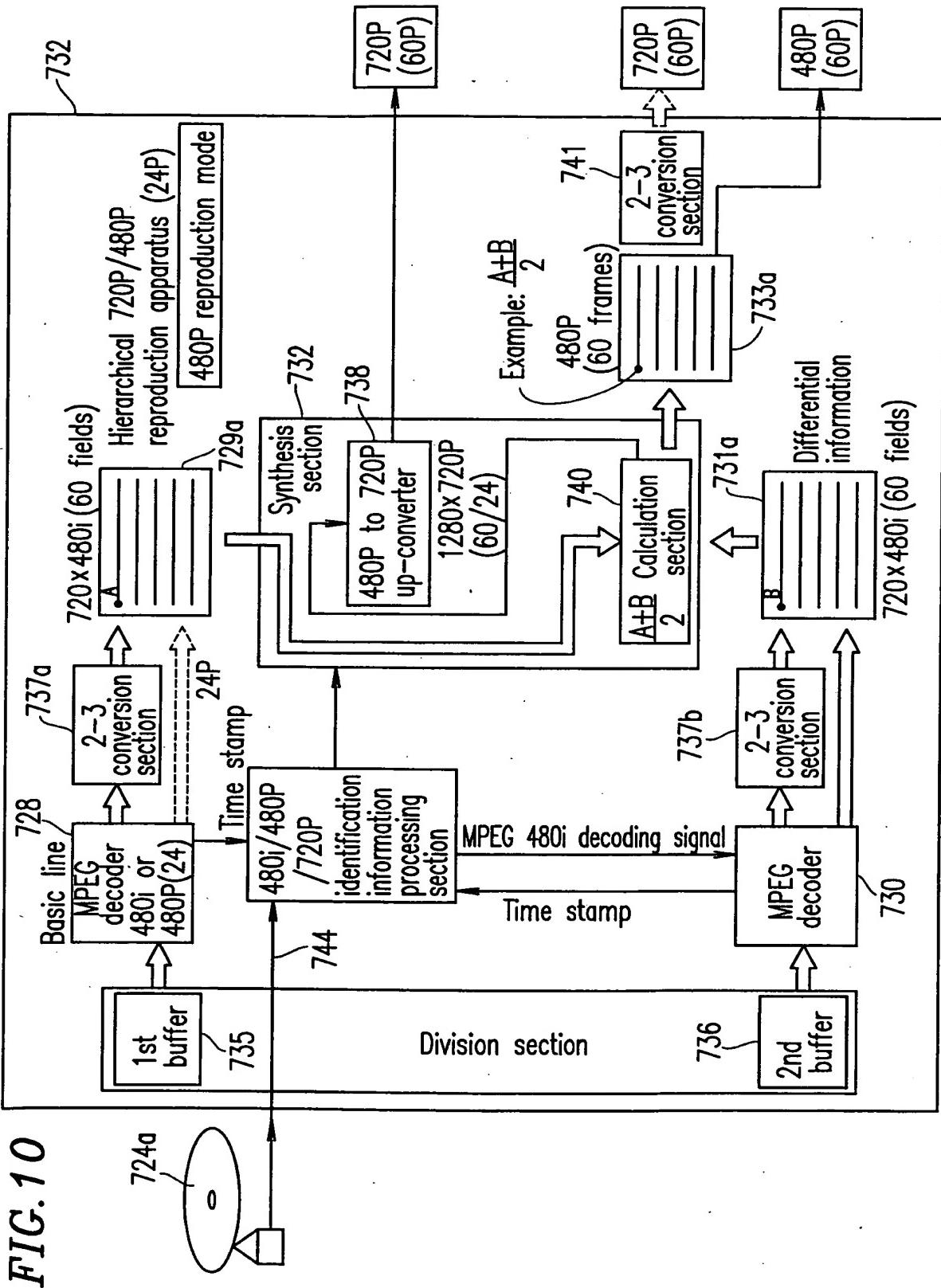


FIG. 11 Reproduction control information

Switching point number S	Picture synthesis identifier	1st stream			2nd stream		
		/768	/769	/770	/771	/772	/773
1	None	ts1-1	Switching termination address:te2	GOP start address:ts6	Switching start address:ts2	Switching termination address:te2	Decoding start address:ta
2	Mode 1	ts1-2	te2-2	ts6-2	ts2-2	te2-2	ta2
3	Mode 2	ts1-3	te2-3	ts6-3	ts2-3	te2-3	ta3

FIG. 12

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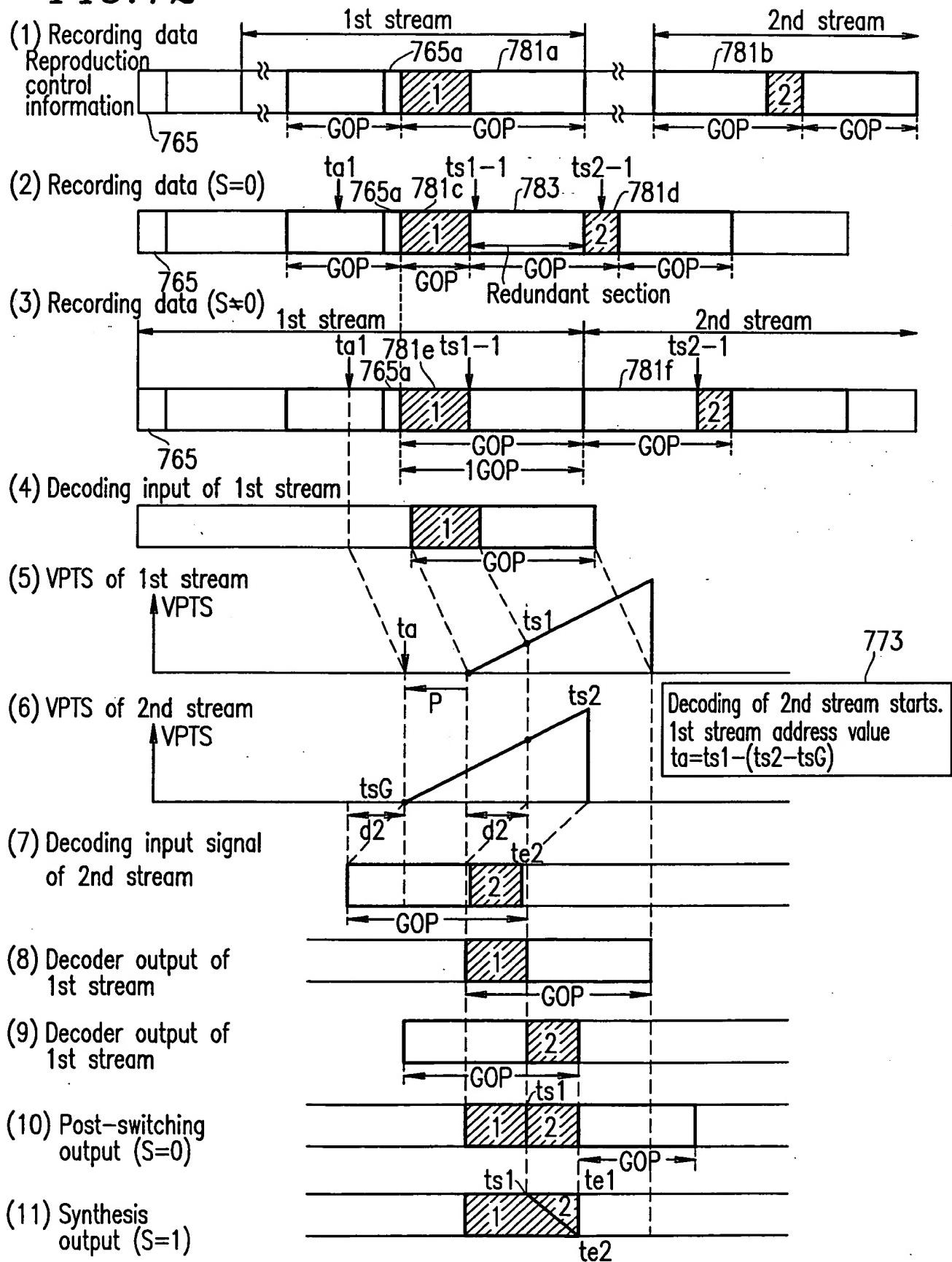


FIG. 13

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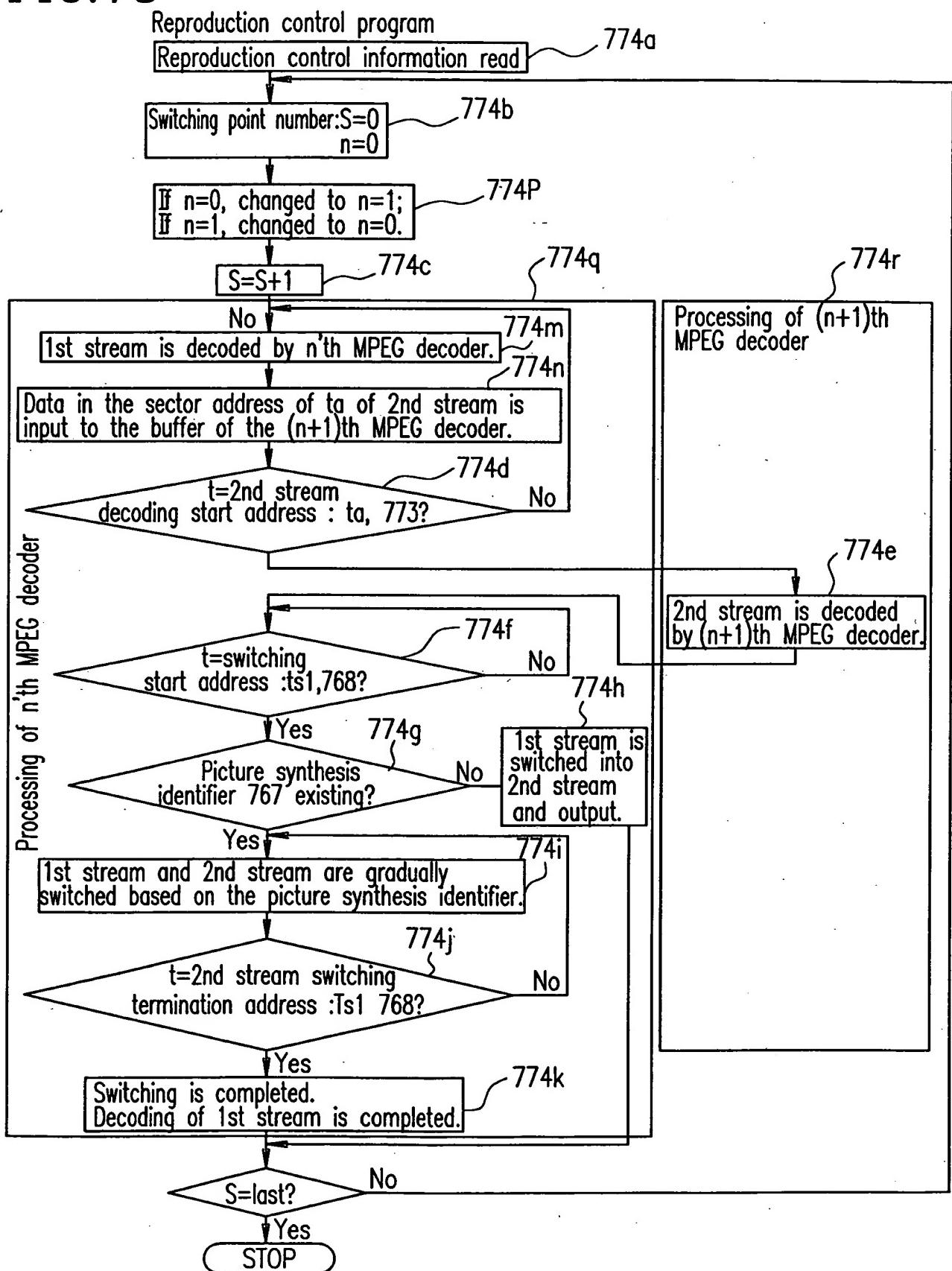


FIG. 14

Reproduction control information		766		767		768		769		770a		765b		771	
Switching point number S	Picture synthesis identifier S	1st stream		Switching termination address : ts1		GOP start address : ts2		2nd stream		Switching start address : ts2		Sector address:tsGs			
1	None	ts1-1						ts6-1		ts2-1					
2	Mode1		ts1-2			te2-2			ts6-2		ts2-2				
3	Mode2		ts1-3		te2-3			ts6-3		ts2-3					

FIG. 15

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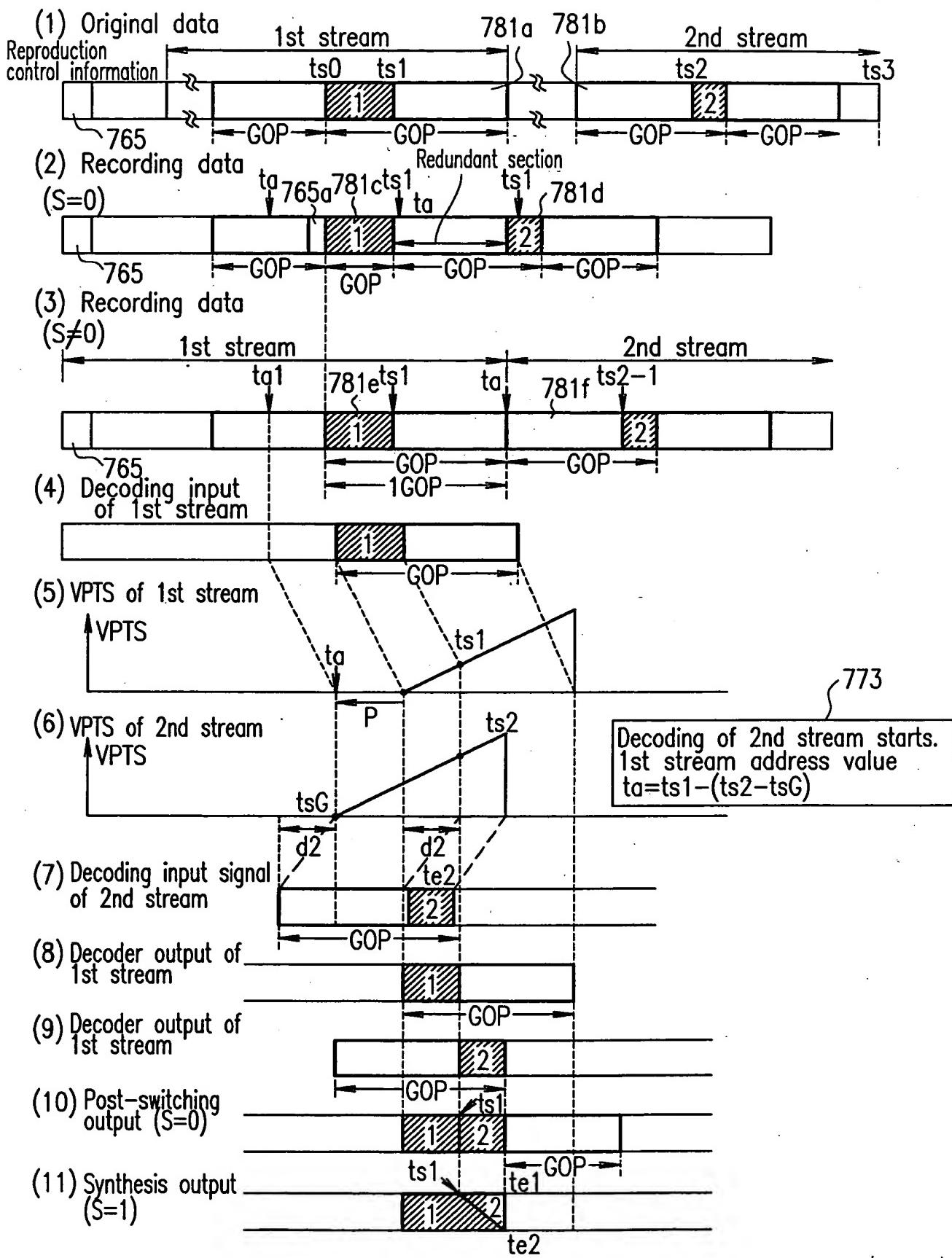
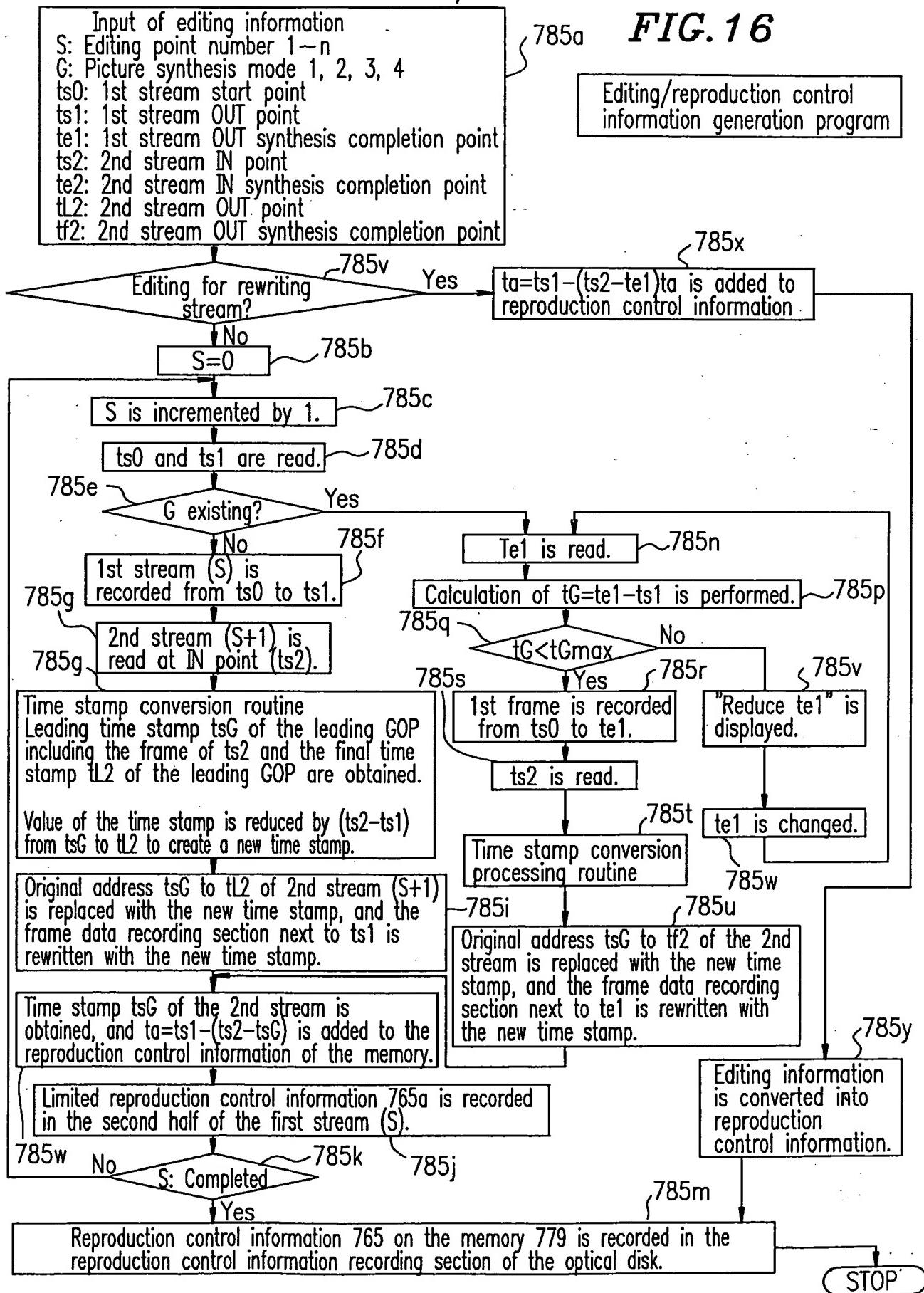


FIG. 16



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FIG. 17 Progressive/3D image arrangement information
(resolution/picture identification information)

VTS (title)	Cell	TXTDT file		PGC file in each VTS			
		TXTDT Attribute	Number of multiple angles	Angle	Start address	Termination address	Identification information
1	1, 2	3D Cell1, 2	2	1 Main 2 Sub	a1 a2	a3 a4	3D-right 3D-left
	1, 2	3D Cell1, 2	2	1 Main 2 Sub	a5 a6	a7 a8	3D-right 3D-left
2	3, 4	Progressive 480P	1	1 Main 2 Sub	a9 a10	a11 a12	1-480P-main 1-480P-sub
	3, 4	X multiple angles (Cell1, 2)	4	3 Main 4 Sub	a13 a14	a15 a16	2-480P-main 2-480P-sub
3	1, 2	Wide480P (Cell1, 2)	2	1 Main 2 Sub	a17 a18	a19 a20	Wide480i-main Wide480i-sub
	1, 2	Wide480P	4	1 Main 2 Sub 3 Main 4 Sub	a21 a23 a25 a27	a22 a24 a26 a28	Wide480P-main Wide480P-main sub Wide480P-sub main Wide480P-sub sub
4	1, 2	3D480P	4	1 Main 2 Sub 3 Main 4 Sub	a29 a31 a33 a35	a30 a32 a34 a36	Right480P-main Right480P-sub Left480P-main Left480P-sub
	3, 4						
6	1, 2	720P (24fps)	2	1 Main 2 Sub	a37 a39	a38 a40	720P-main 720P-sub

83 ~ 14
744

FIG. 18

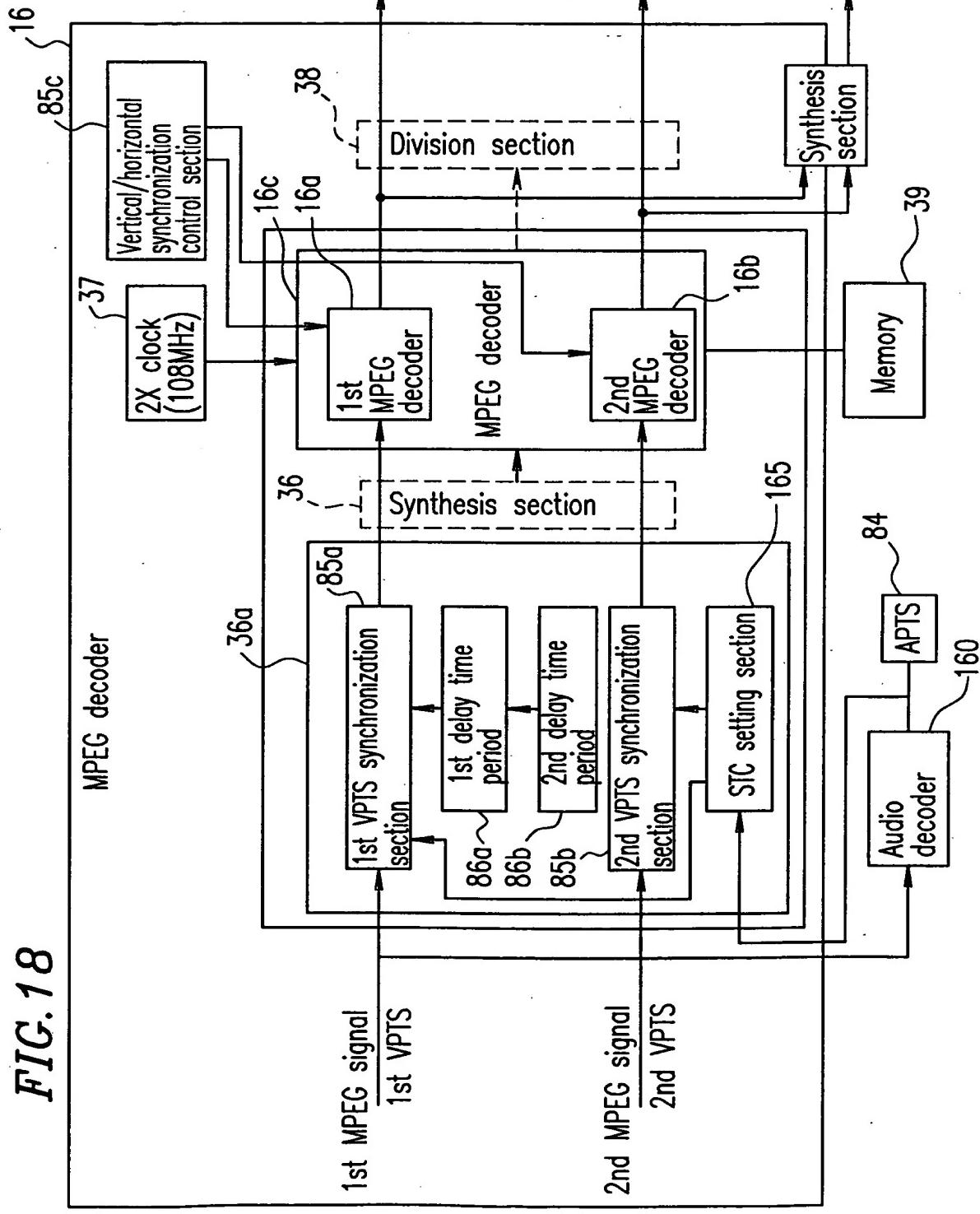
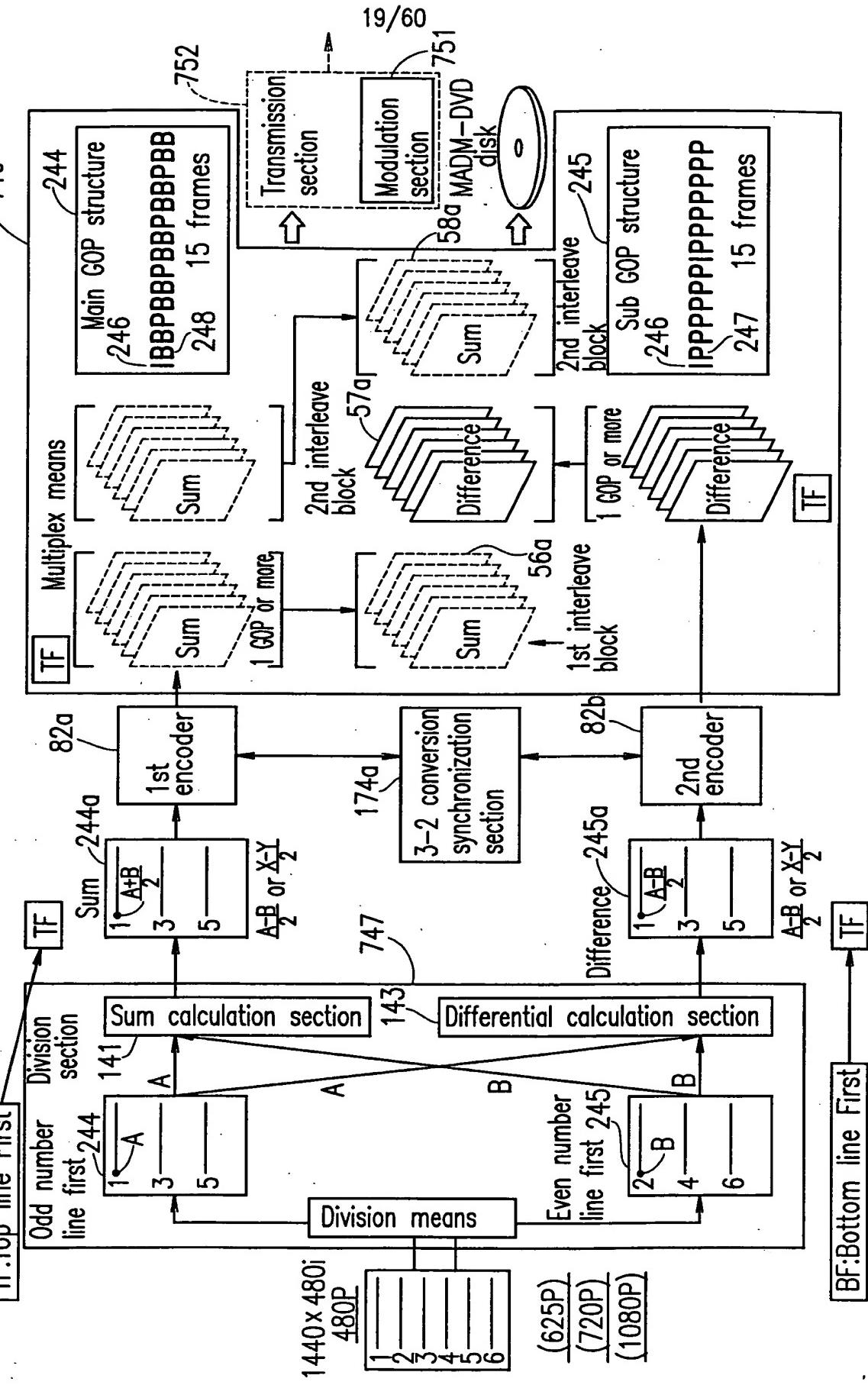


FIG. 19

Principle of multiple angle picture division multiplex recording system (MADM) -718



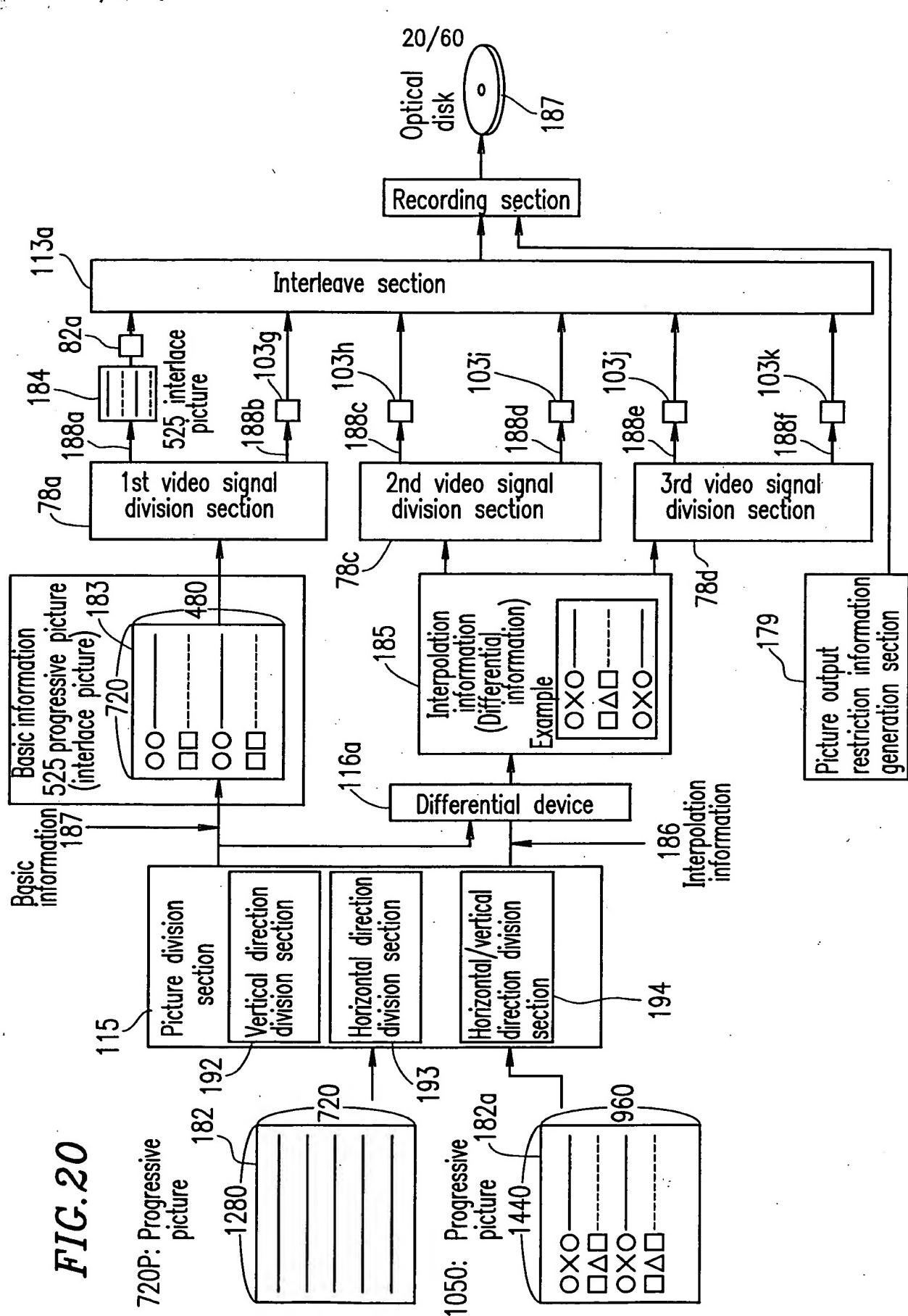


FIG. 21

Principle of multiple angle picture division multiplex system (MADM)

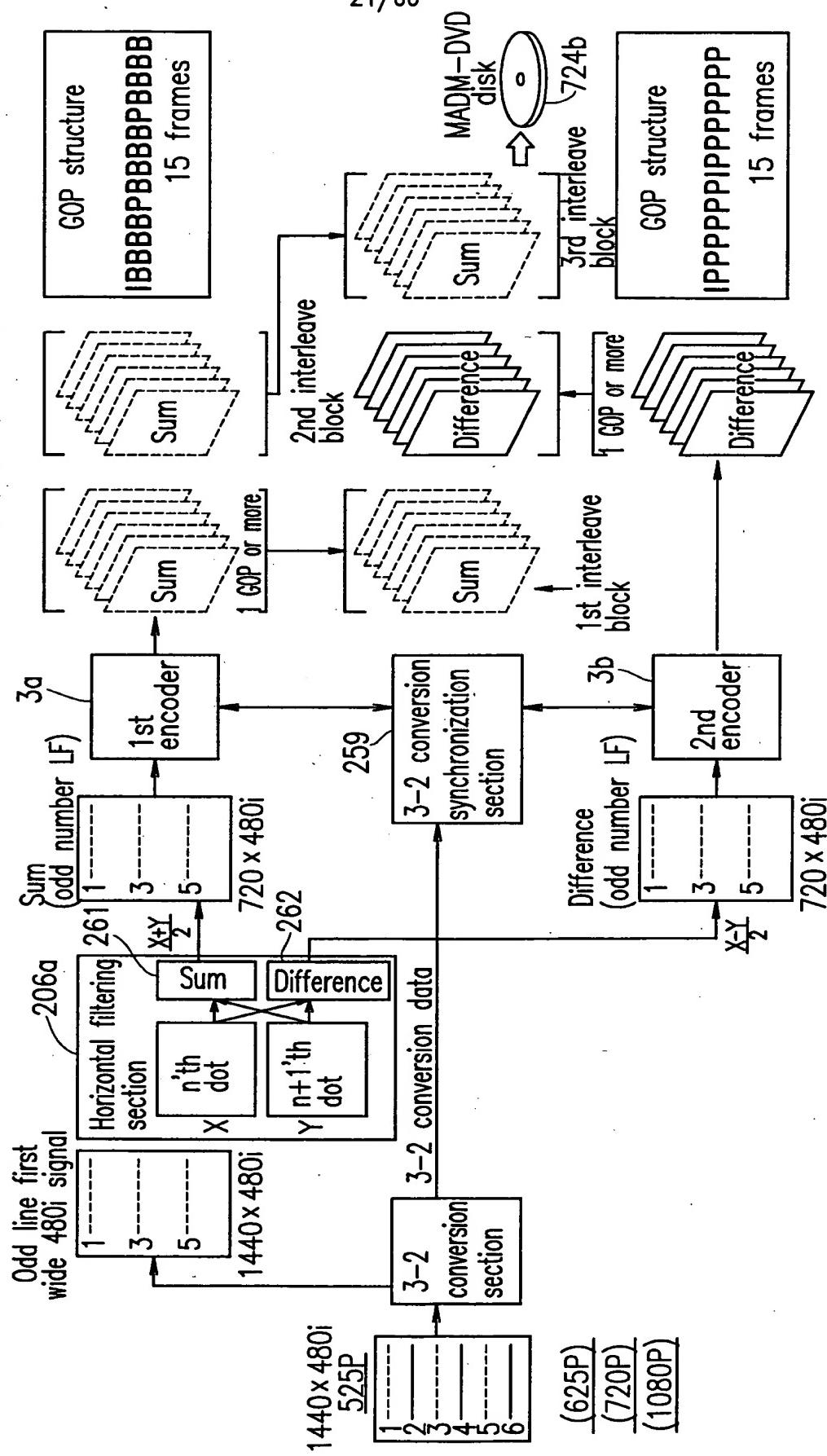


FIG. 22

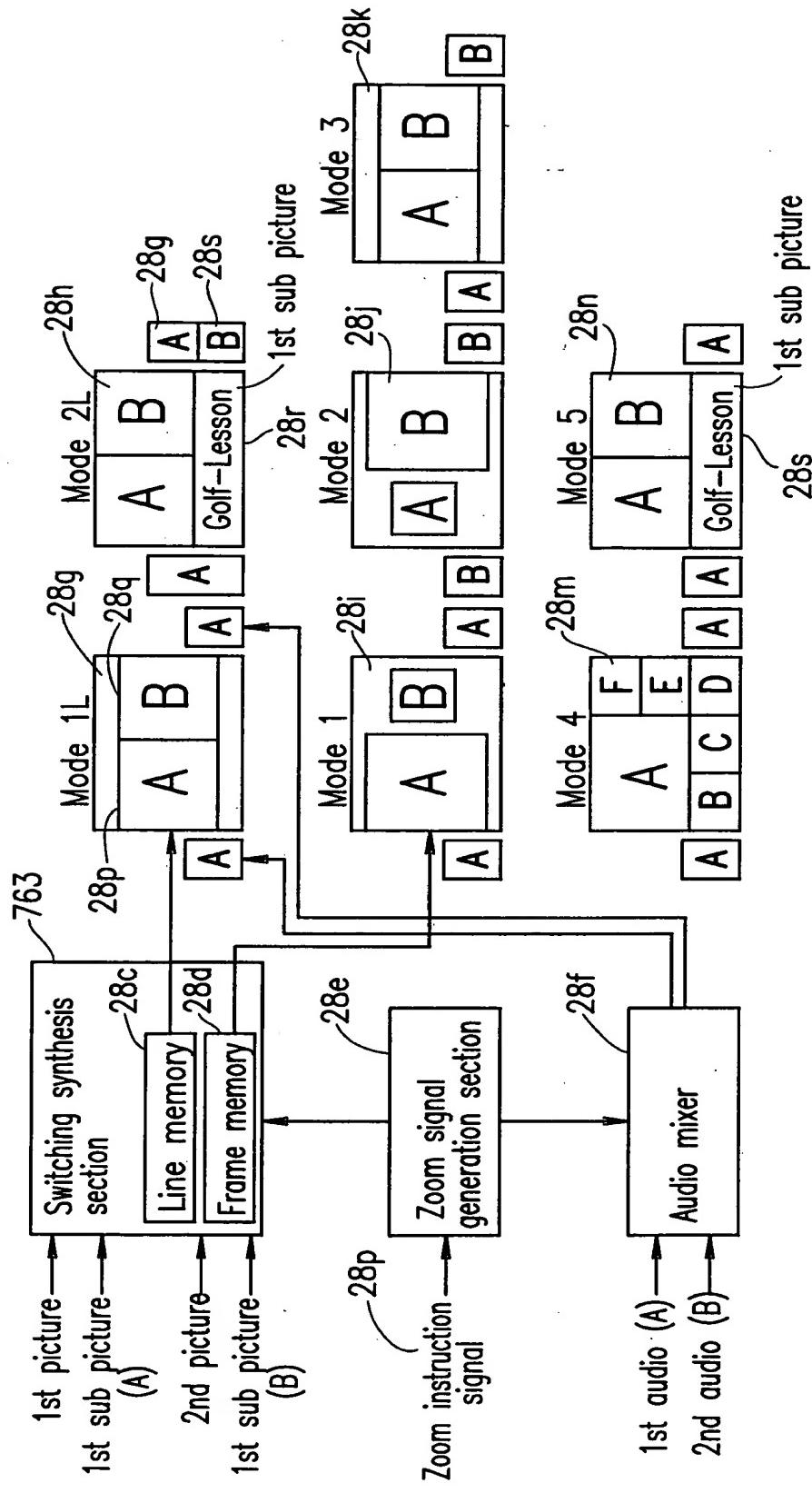


FIG. 2.3

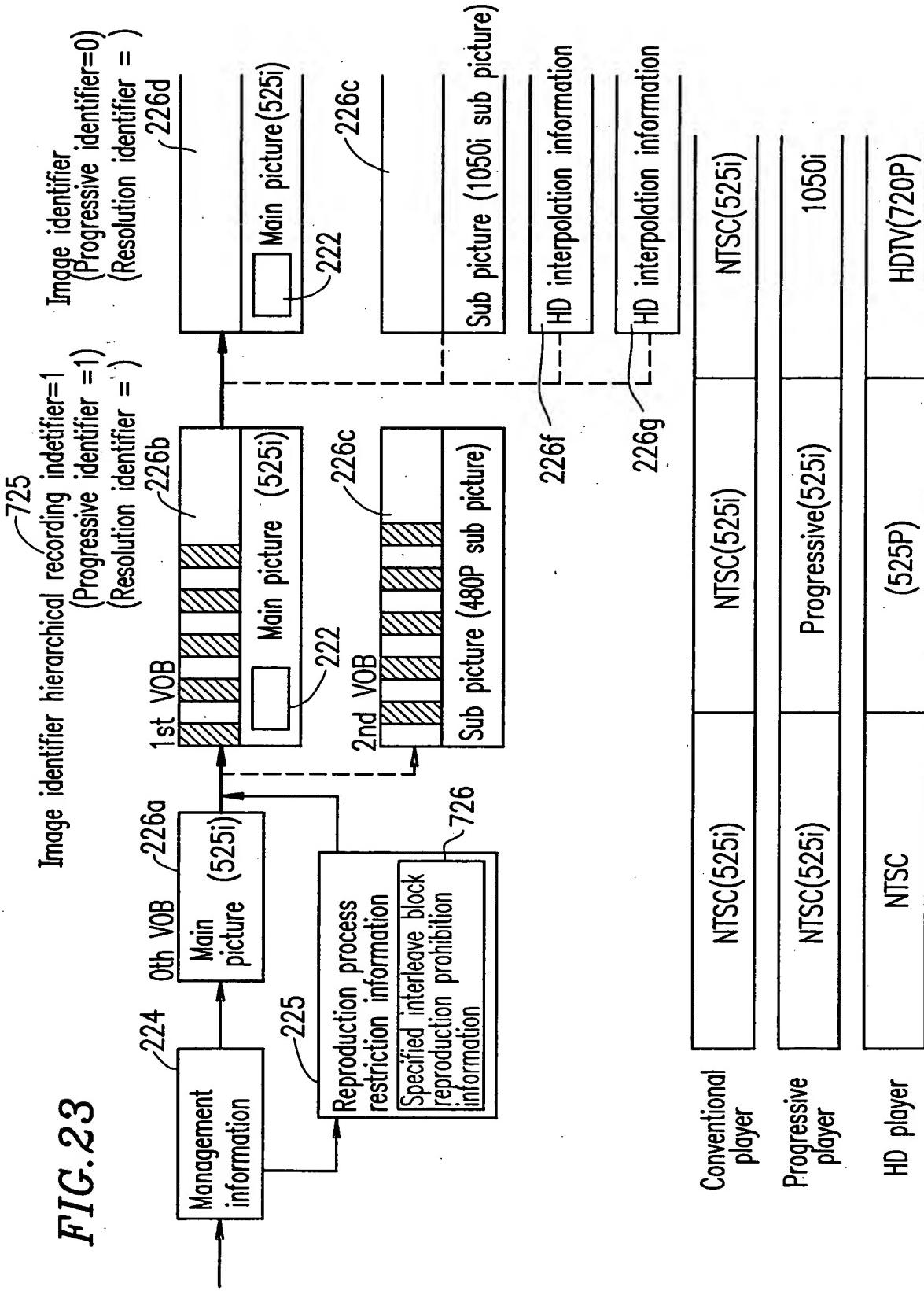
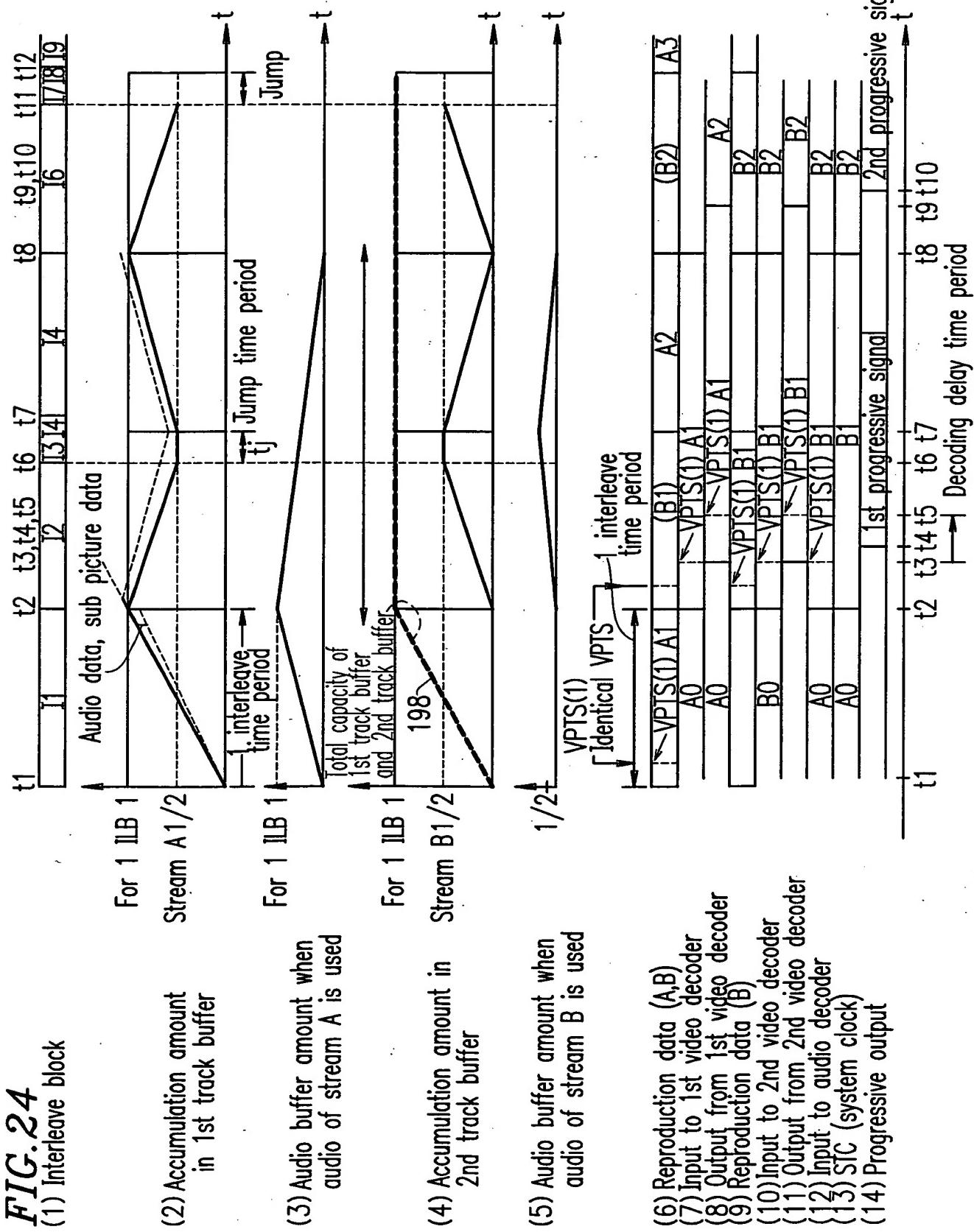


FIG. 24
 (1) Interleave block

FIG. 24
 (1) Interleave block



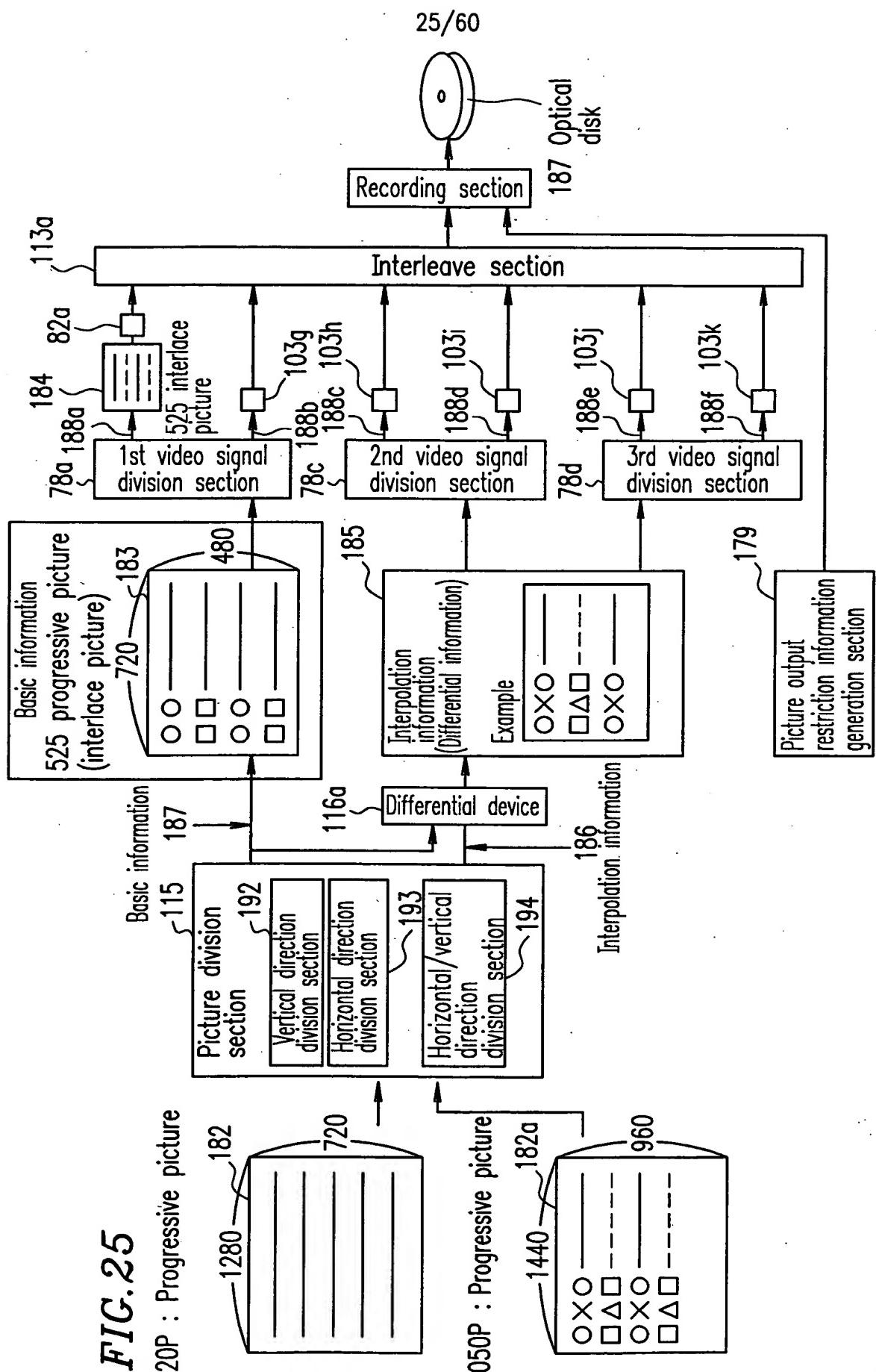


FIG. 25 720P : Progressive picture

FIG.26

AV synchronization method of 1st and 2nd decoders

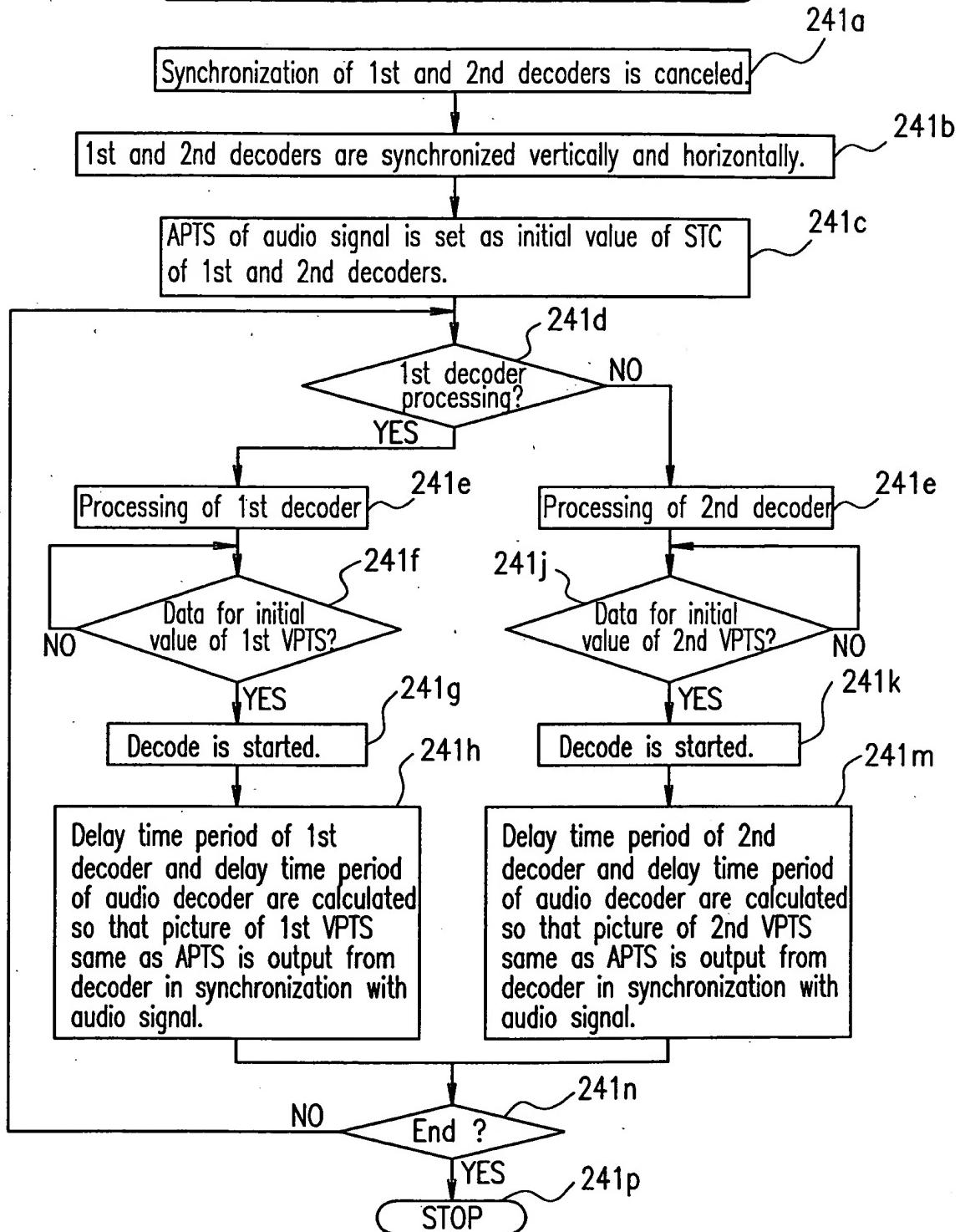
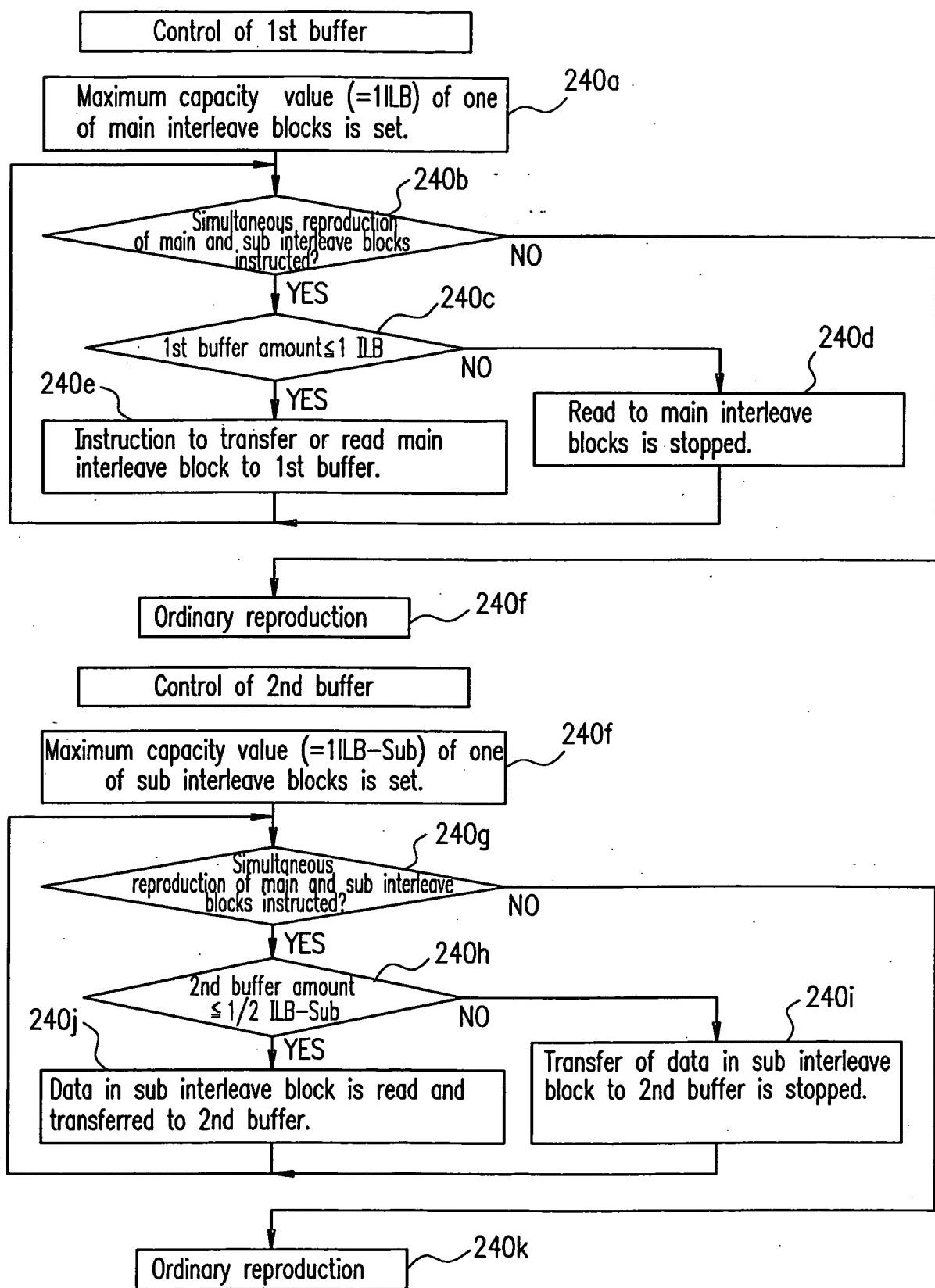


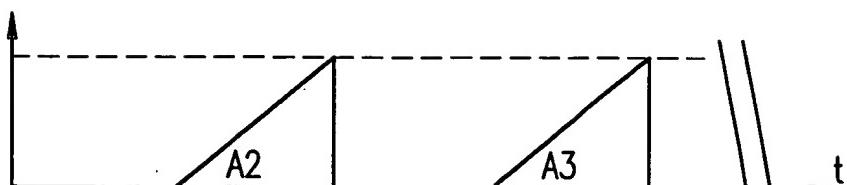
FIG.27



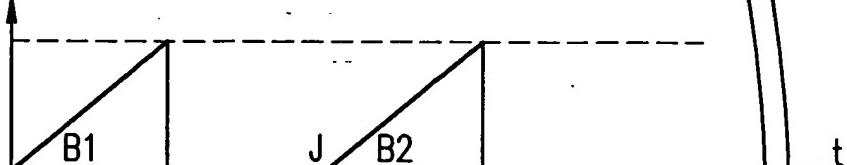
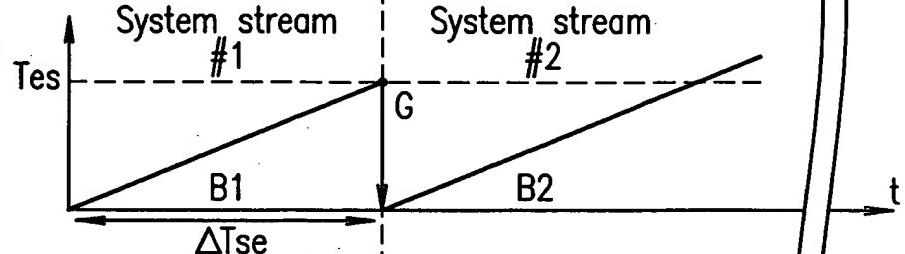
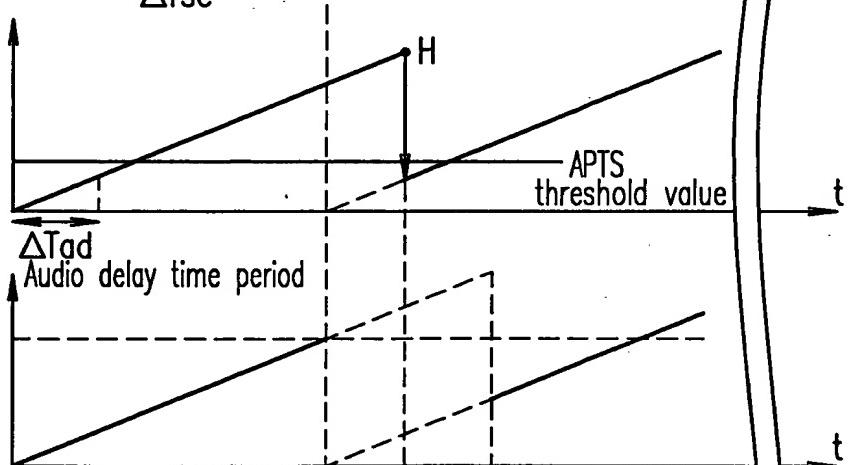
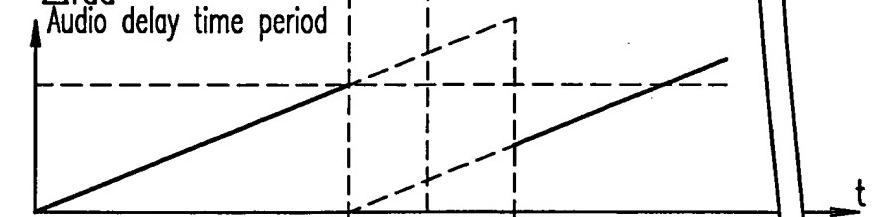
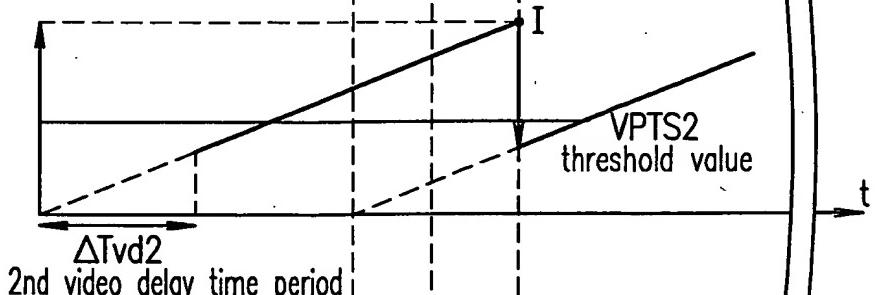
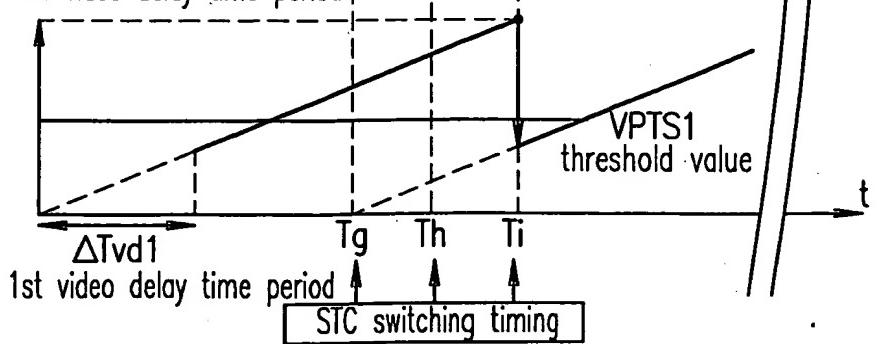
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FIG. 28

(1) Reproduction data of stream A



(2) Reproduction data of stream B

(3) Stream clock (SCR)
Time of input from buffer to decoder(4) Audio APTS (sub picture)
Reproduction time of audio decoder(5) System clock
STC(6) Video VPTS2
Time of reproduction of 2nd video decoder(7) Video VPTS1
Time of reproduction of 1st video decoder

STC switching timing

FIG.29

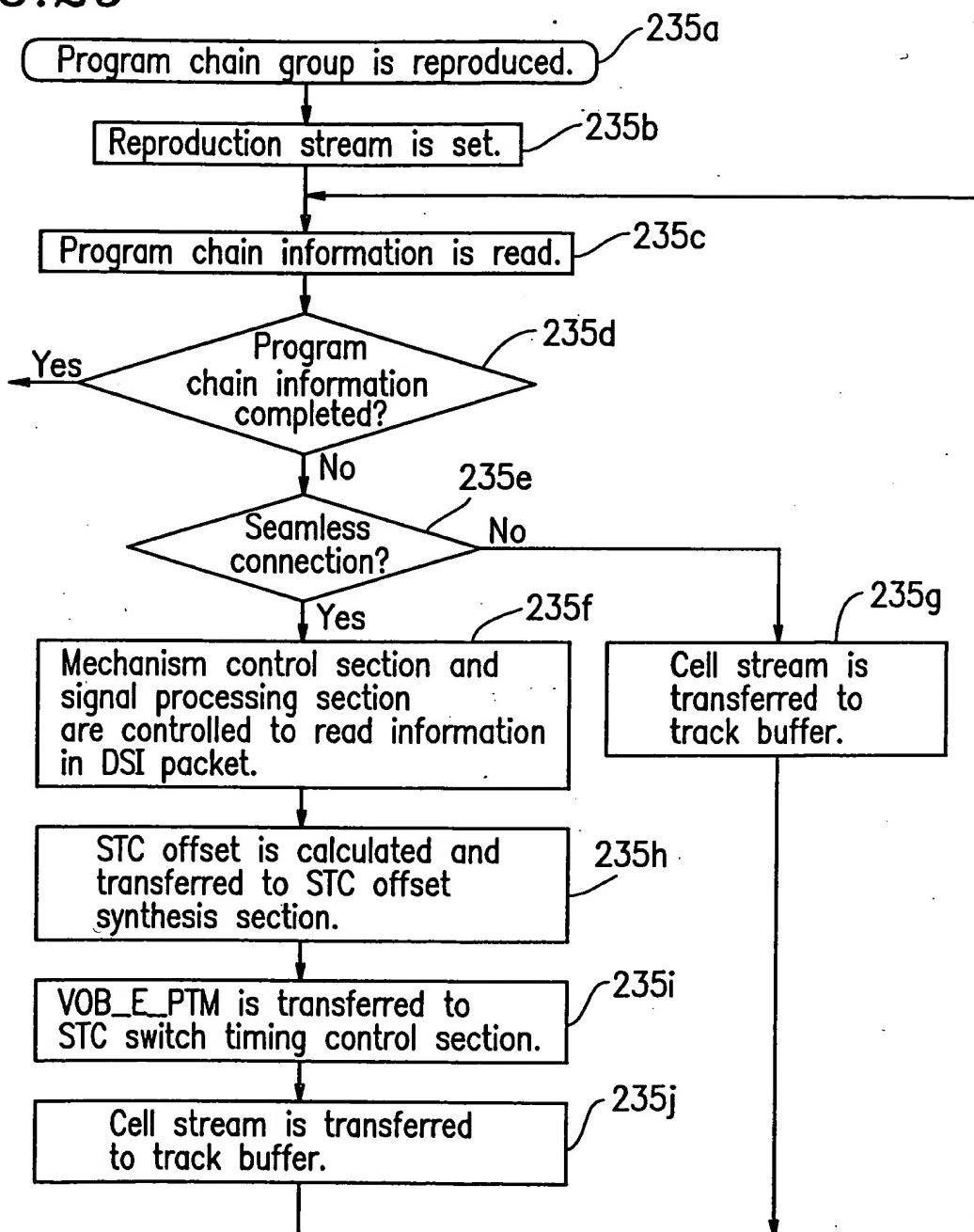


FIG. 30

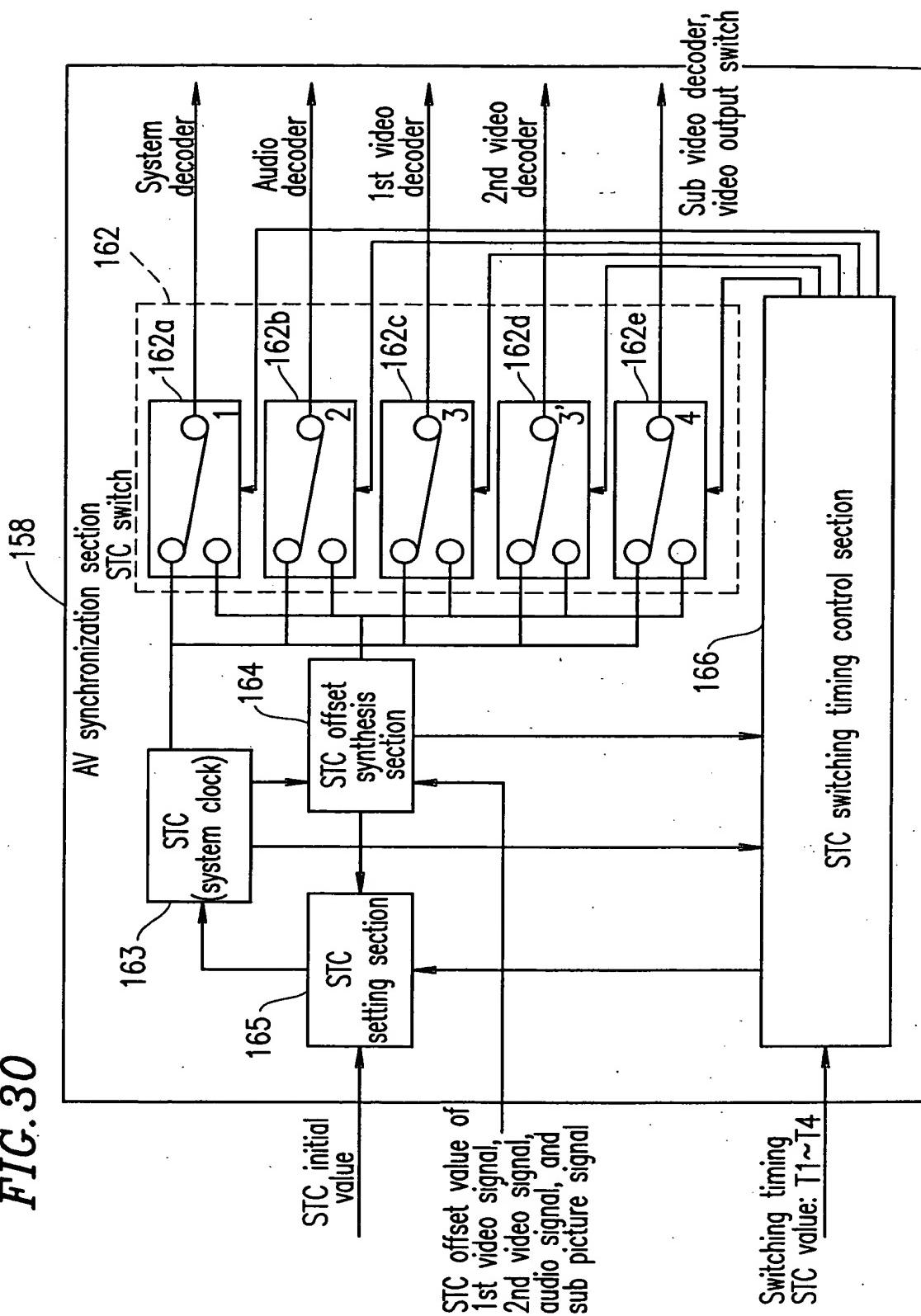


FIG. 31

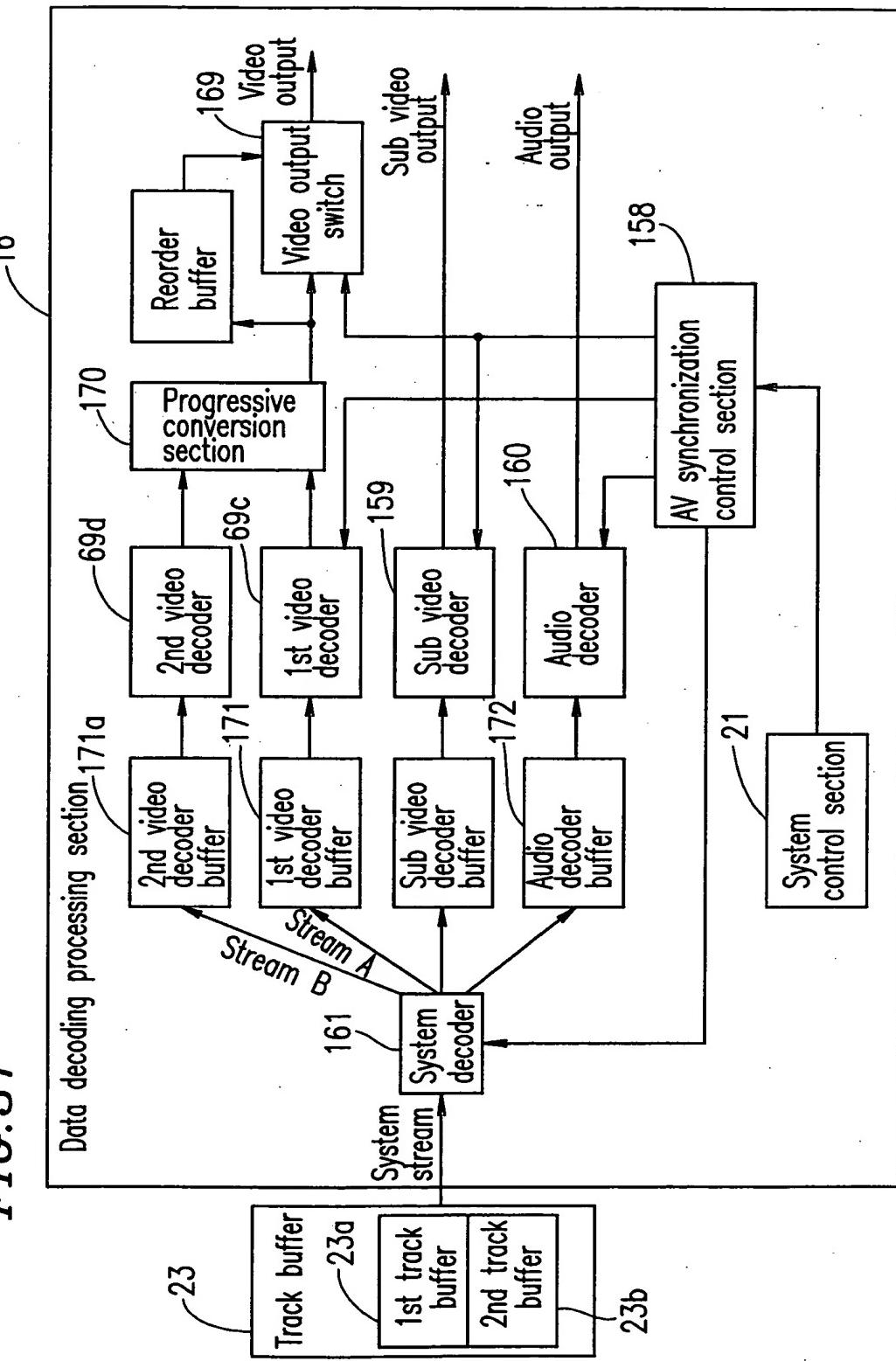


FIG. 32

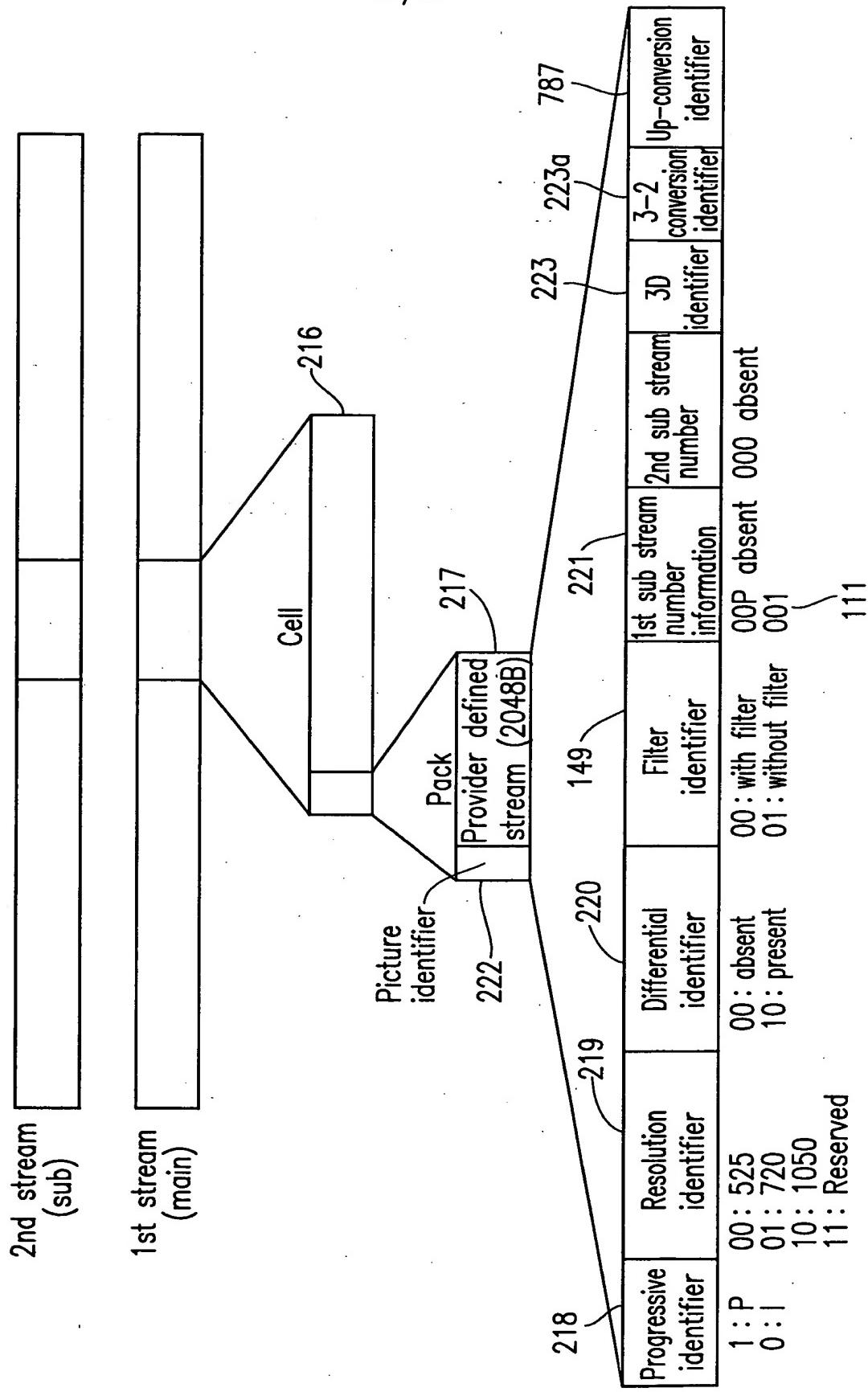
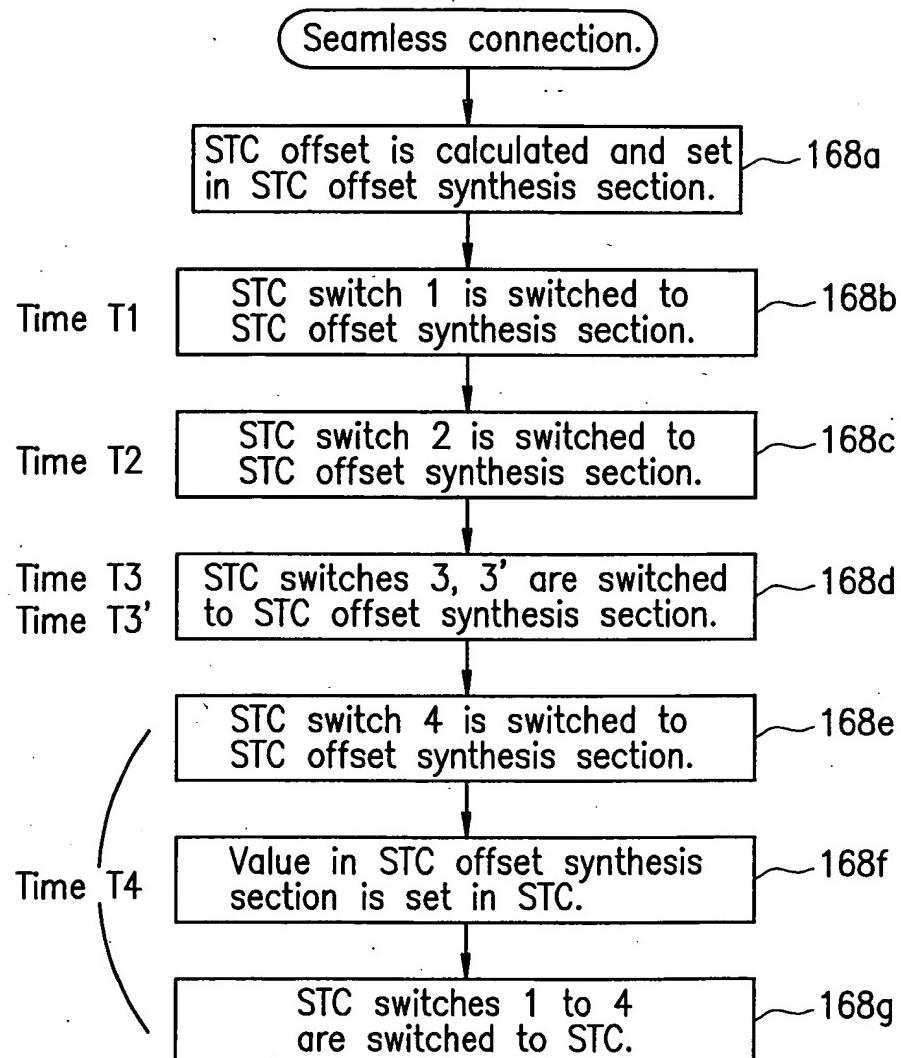
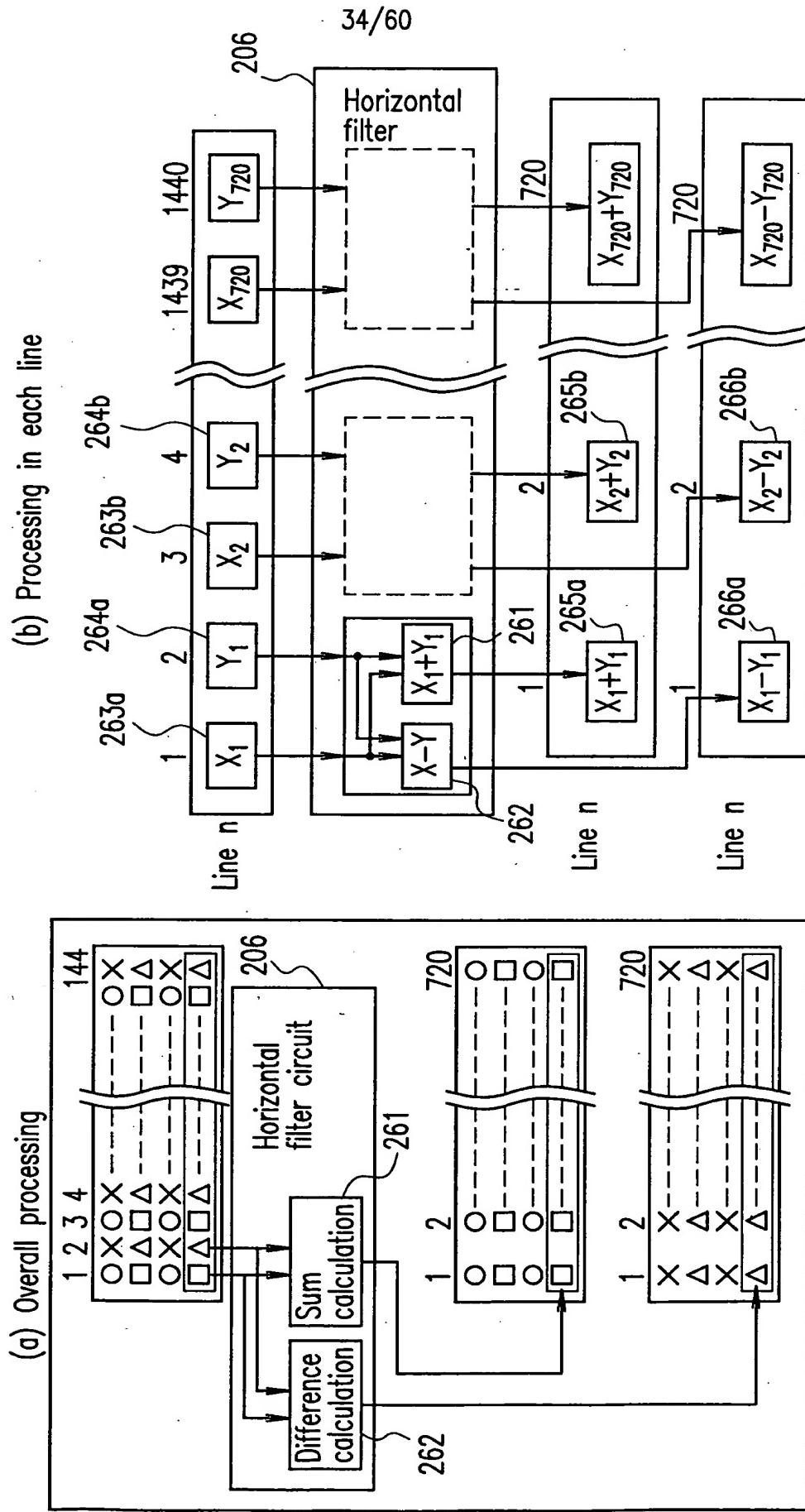


FIG.33



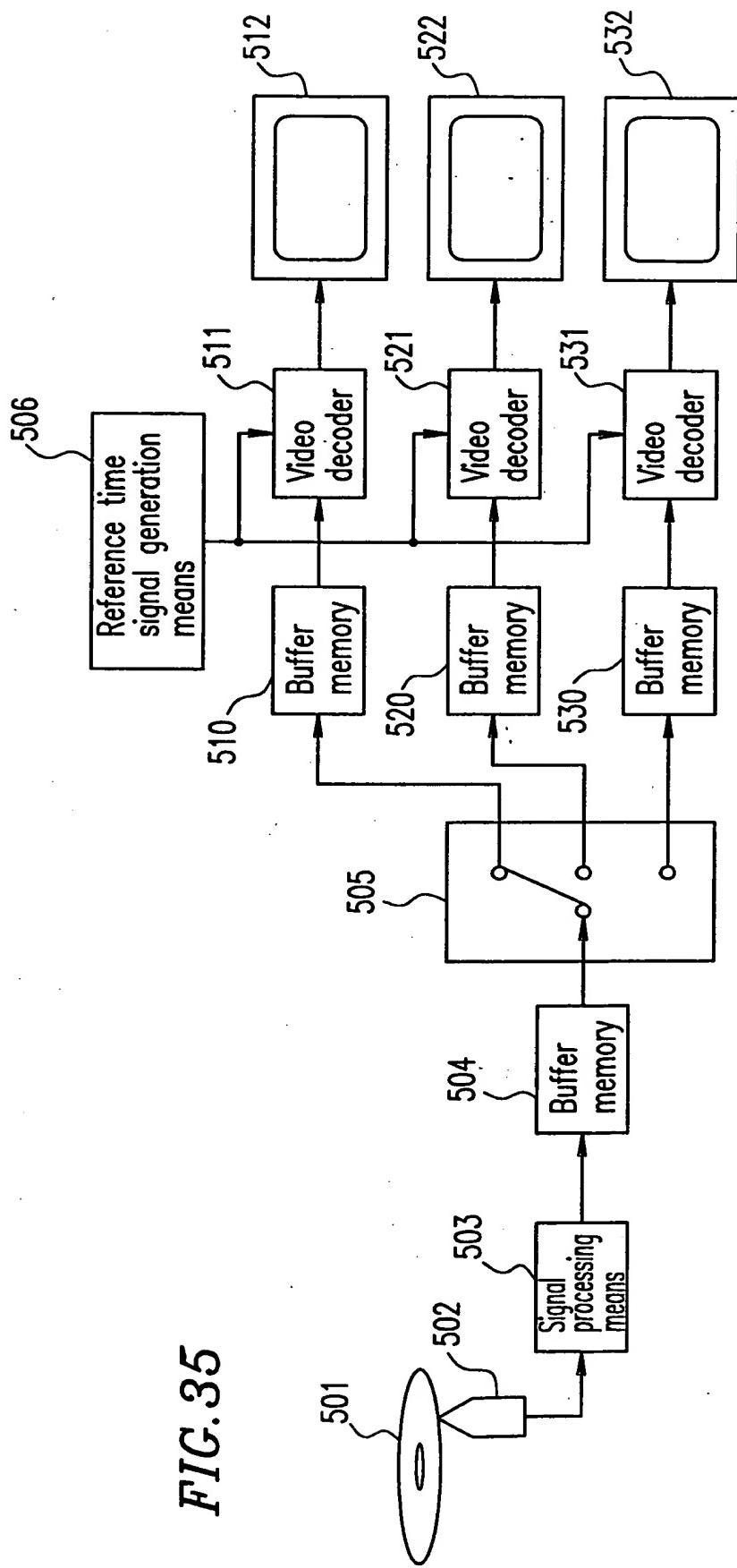
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FIG. 34



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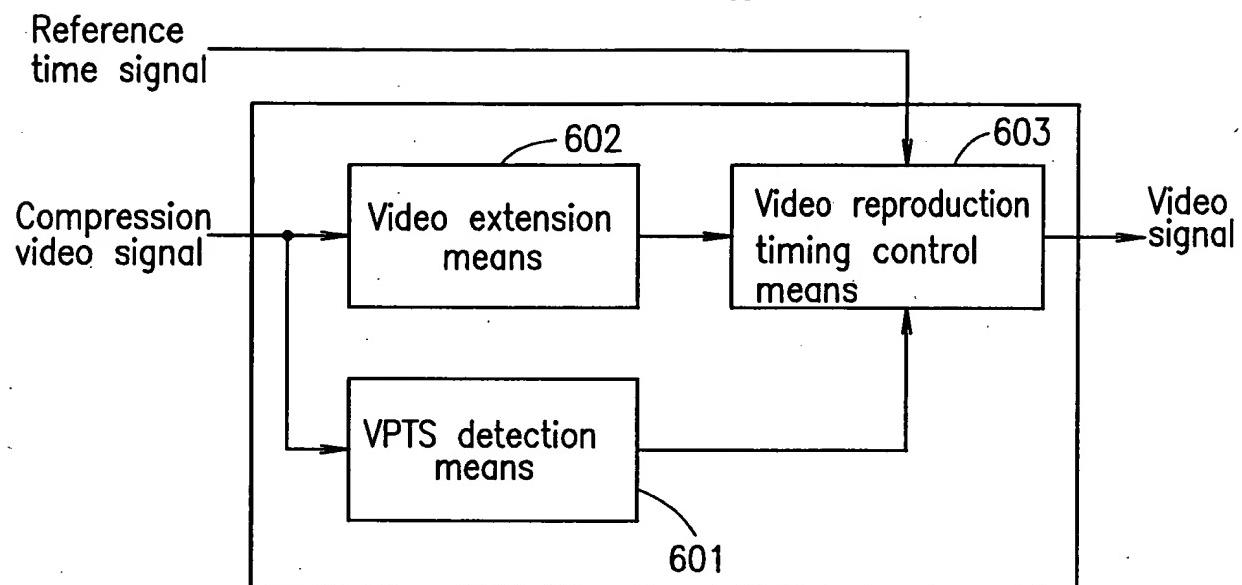
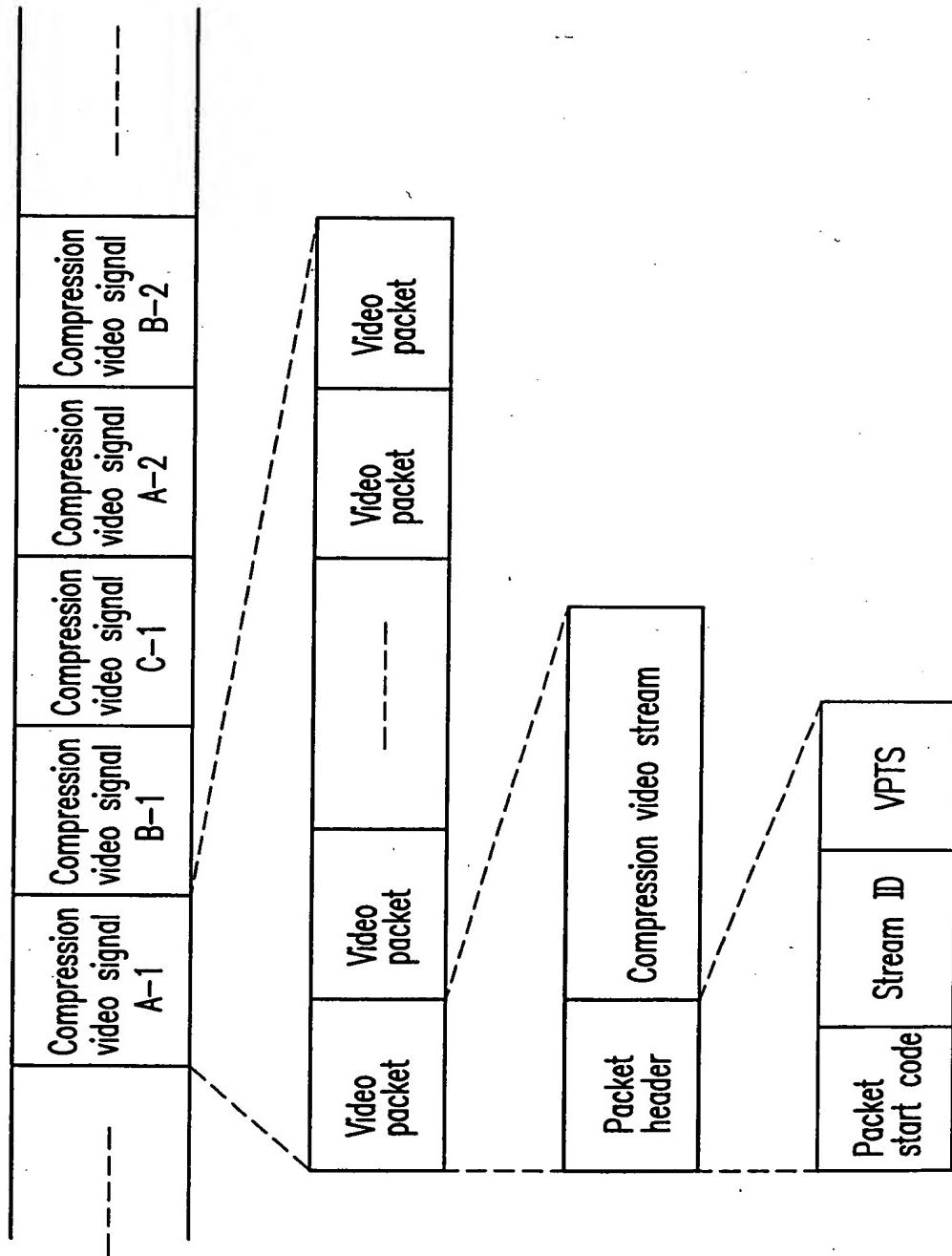
FIG.36

FIG. 37

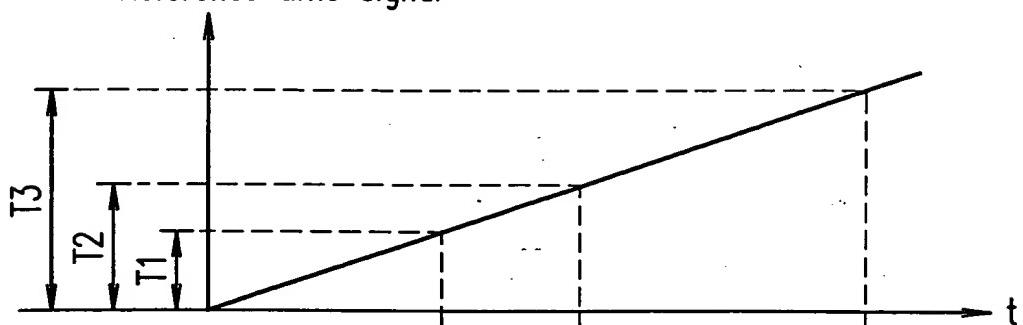


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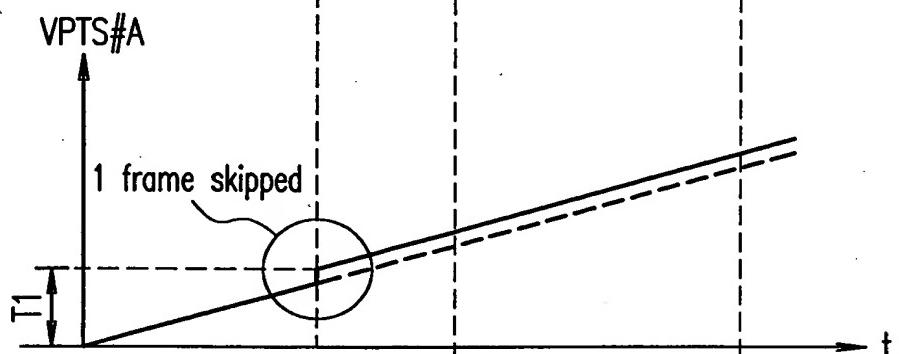
FIG. 38

Reference time signal

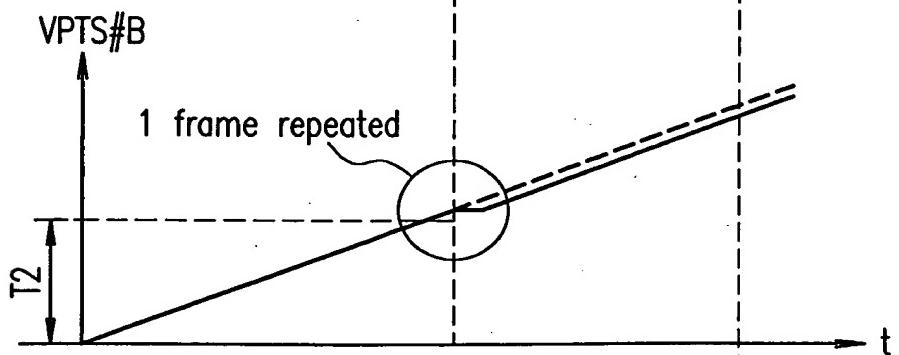
(a)



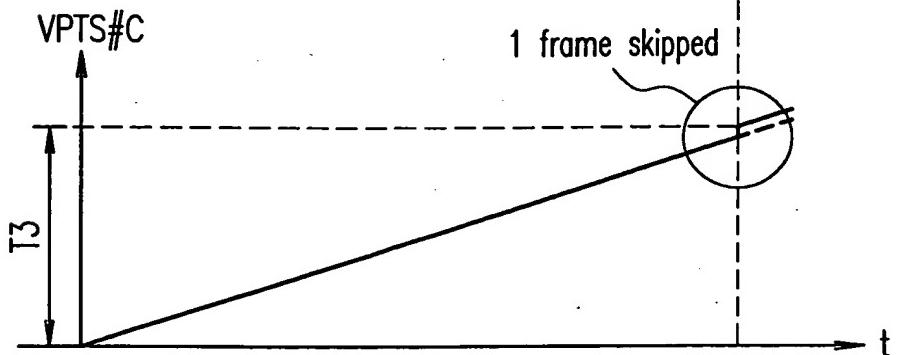
(b)

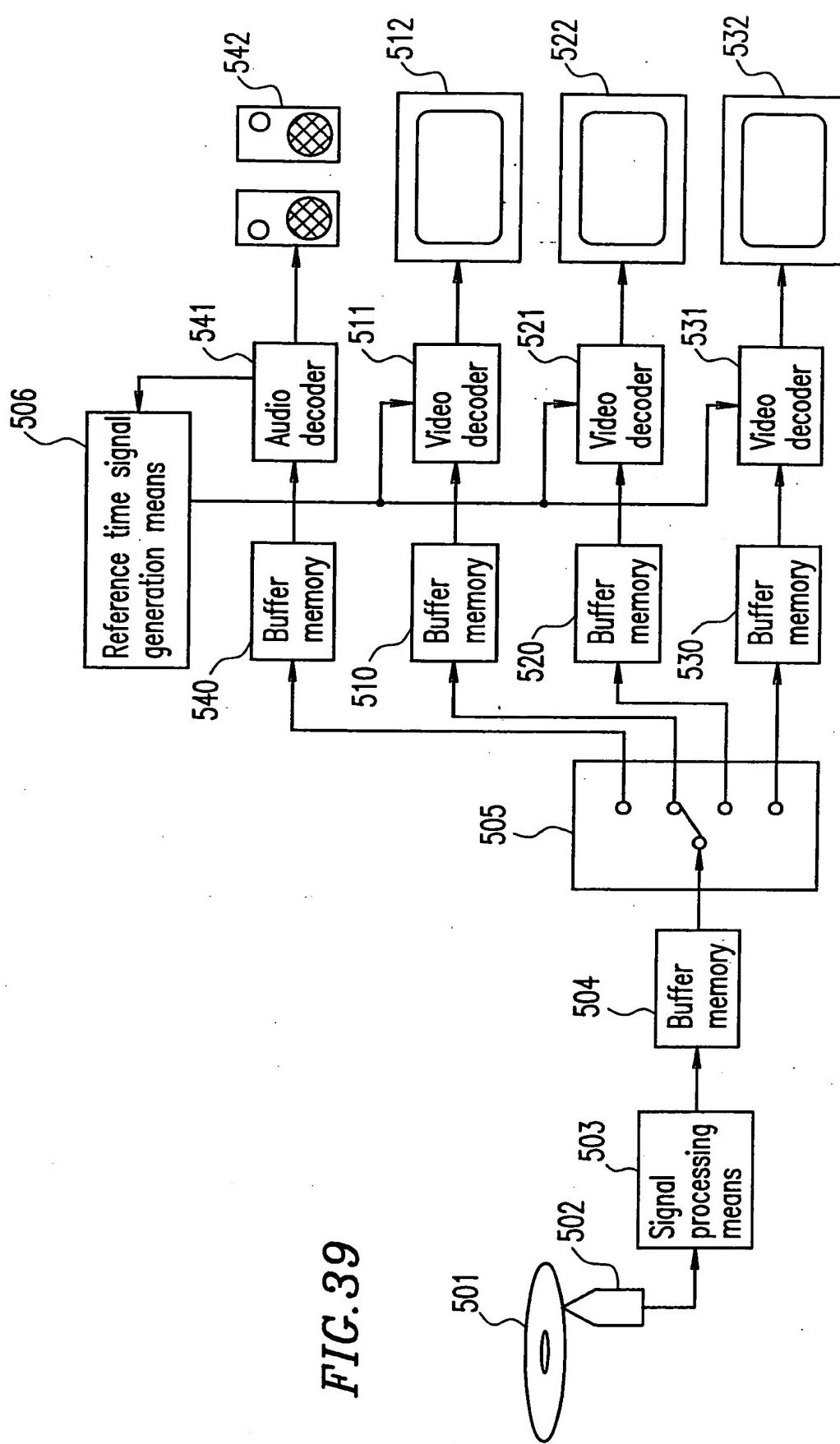


(c)



(d)





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3005 000 8 2 00-15 00-00

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FIG. 40

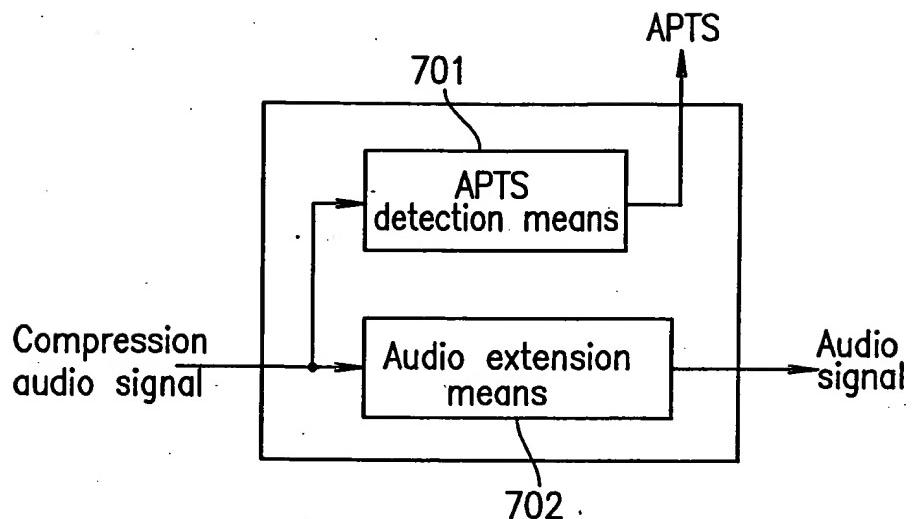
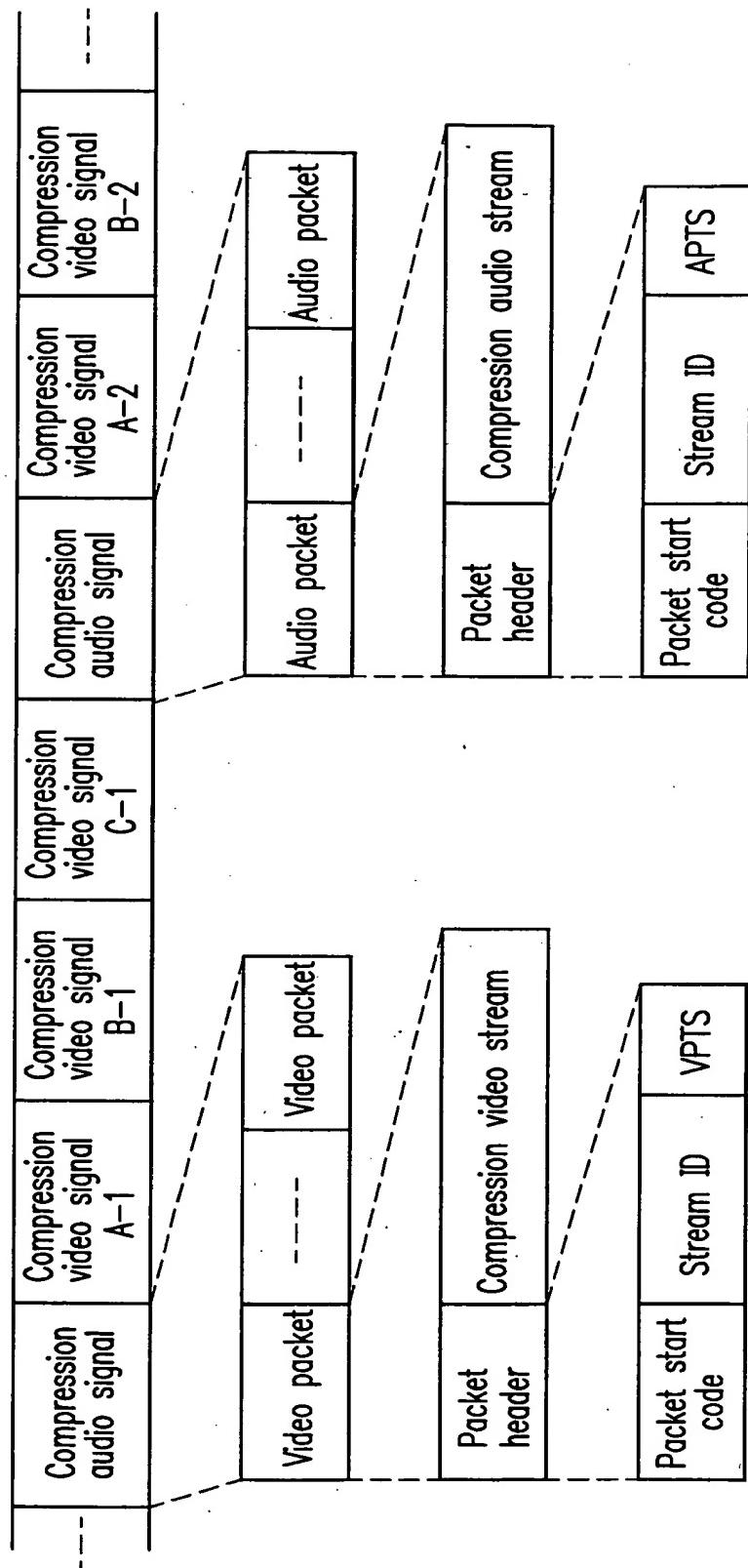


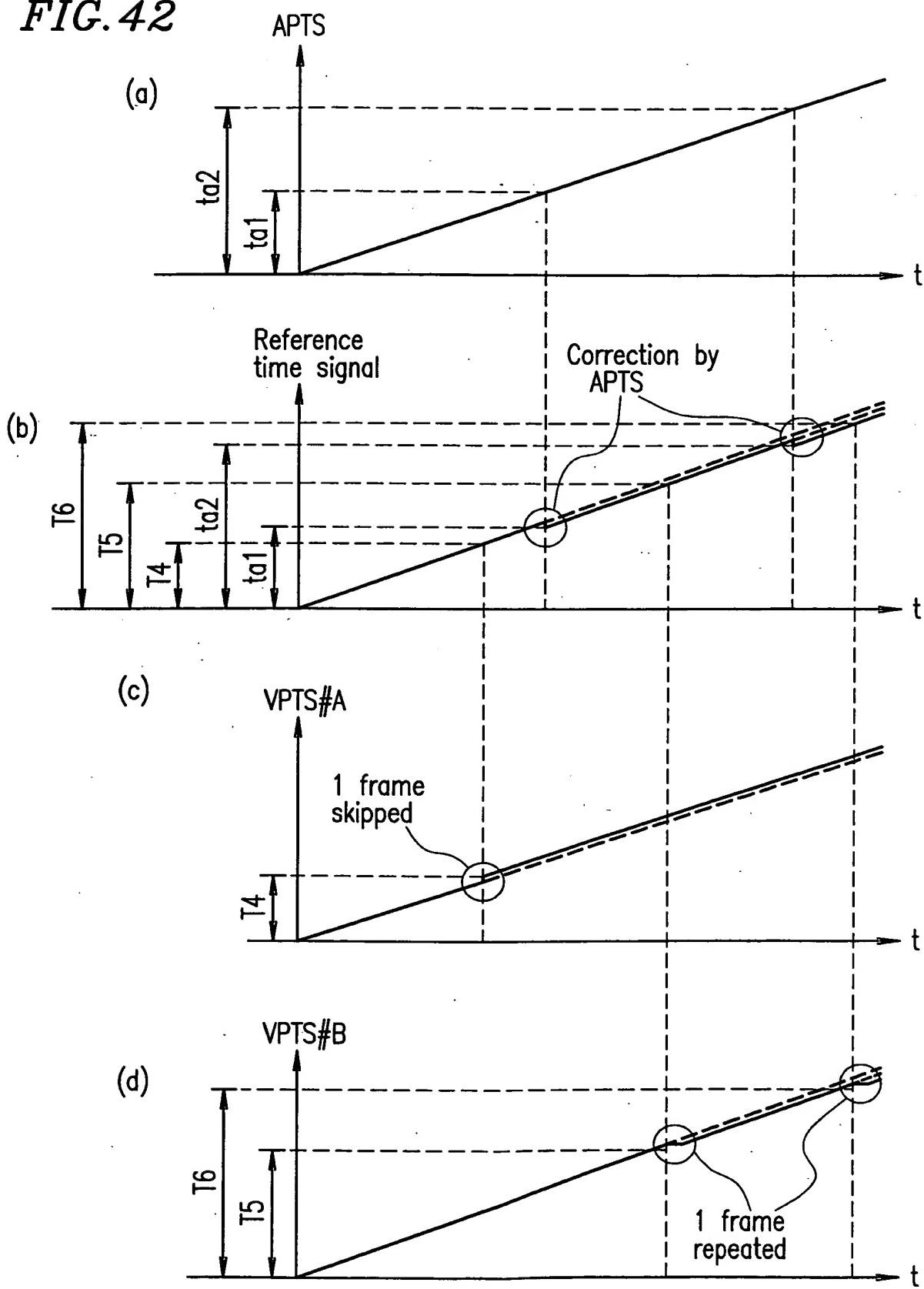
FIG. 41

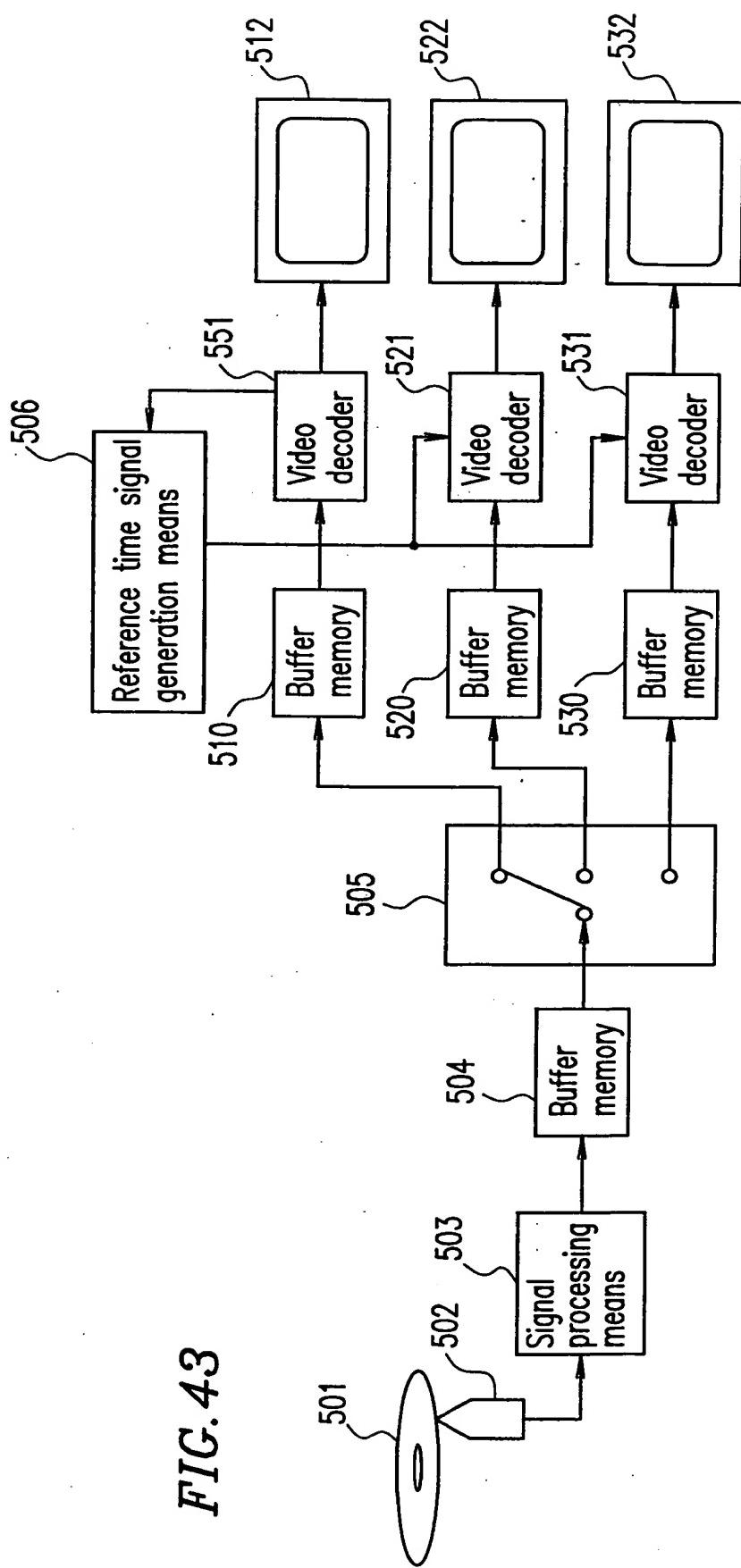
09/486538

0008 837 0 S OF

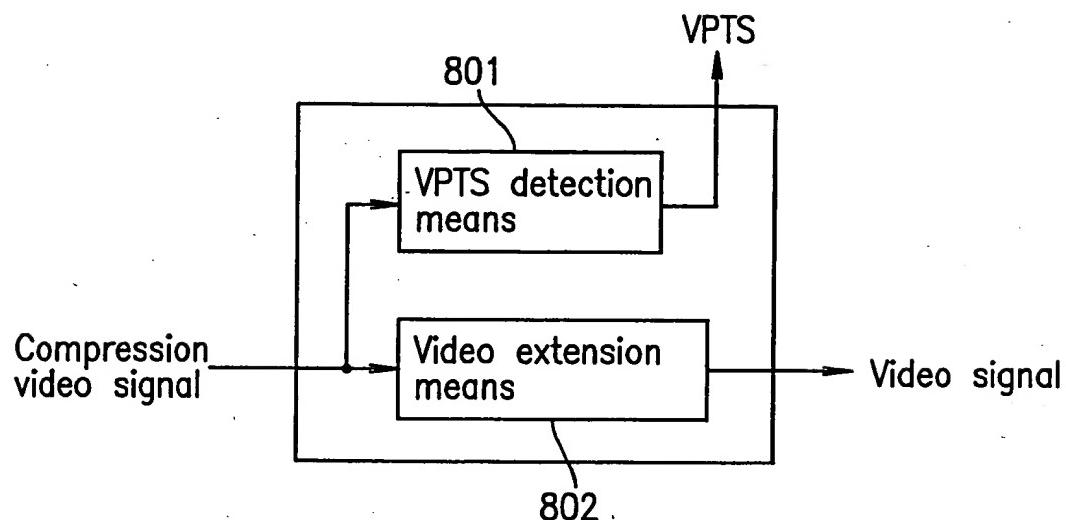
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FIG.42





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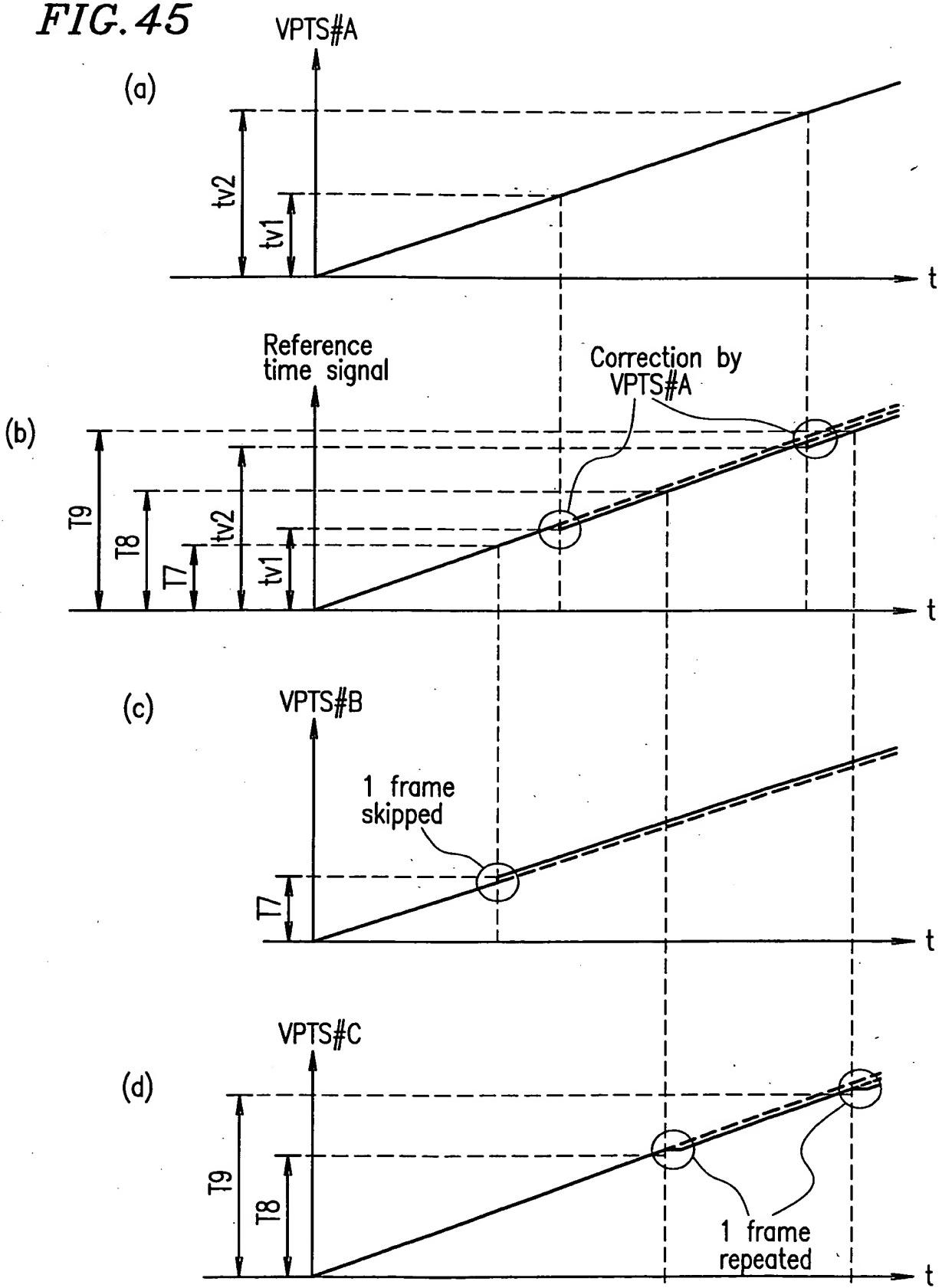
FIG.44

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FIG.45



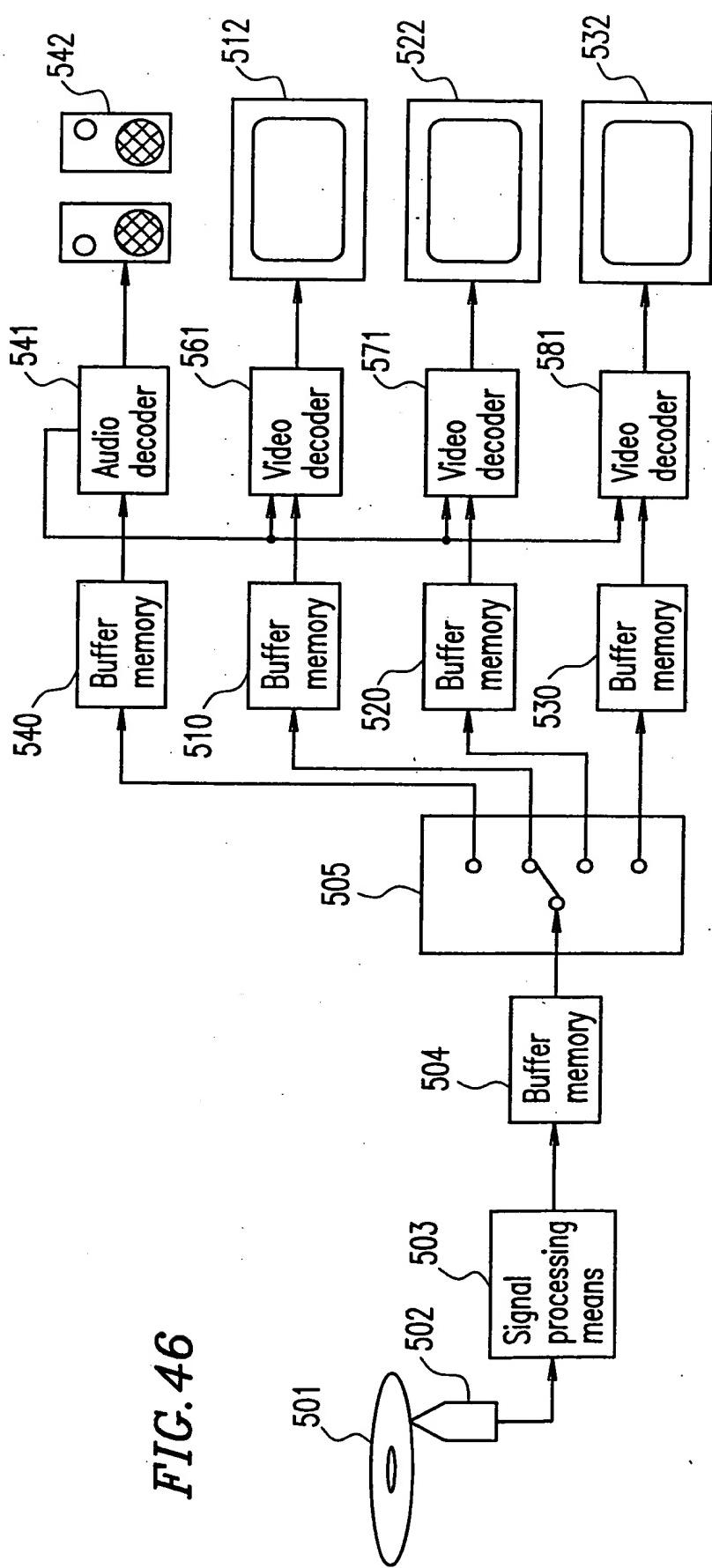


FIG. 46

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FIG. 47

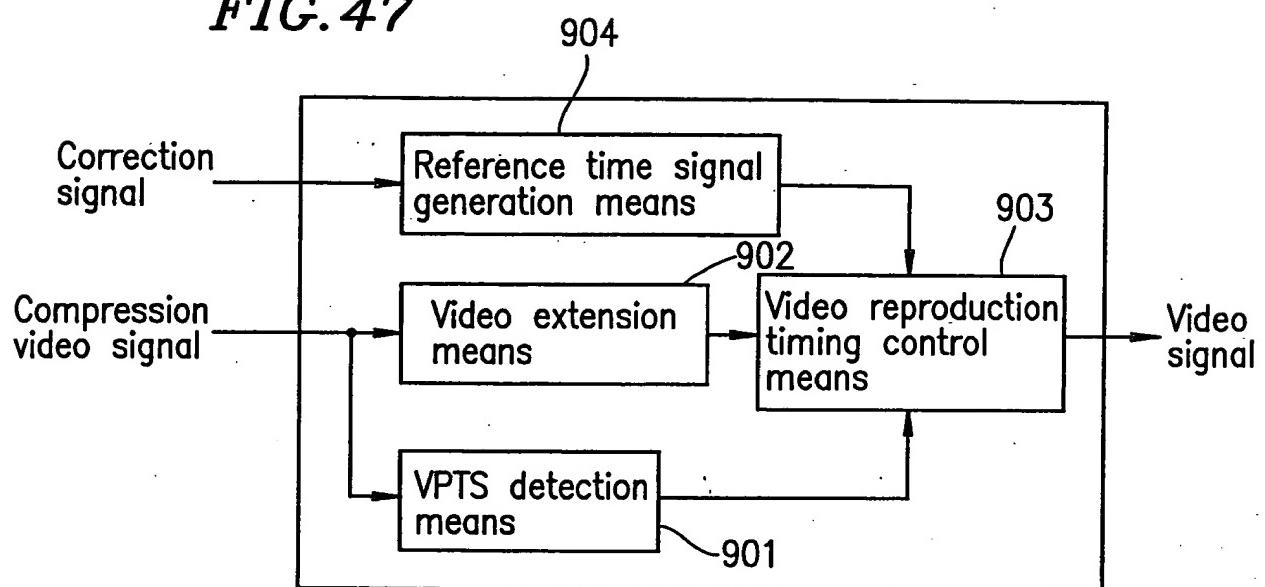


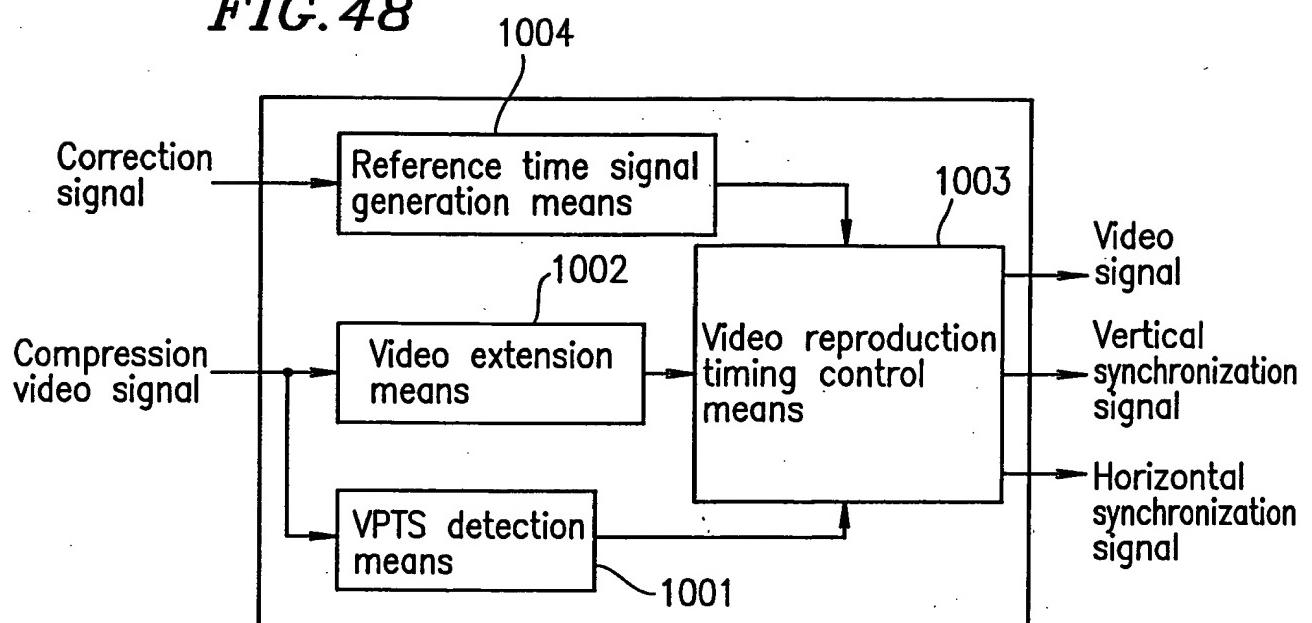
FIG. 48

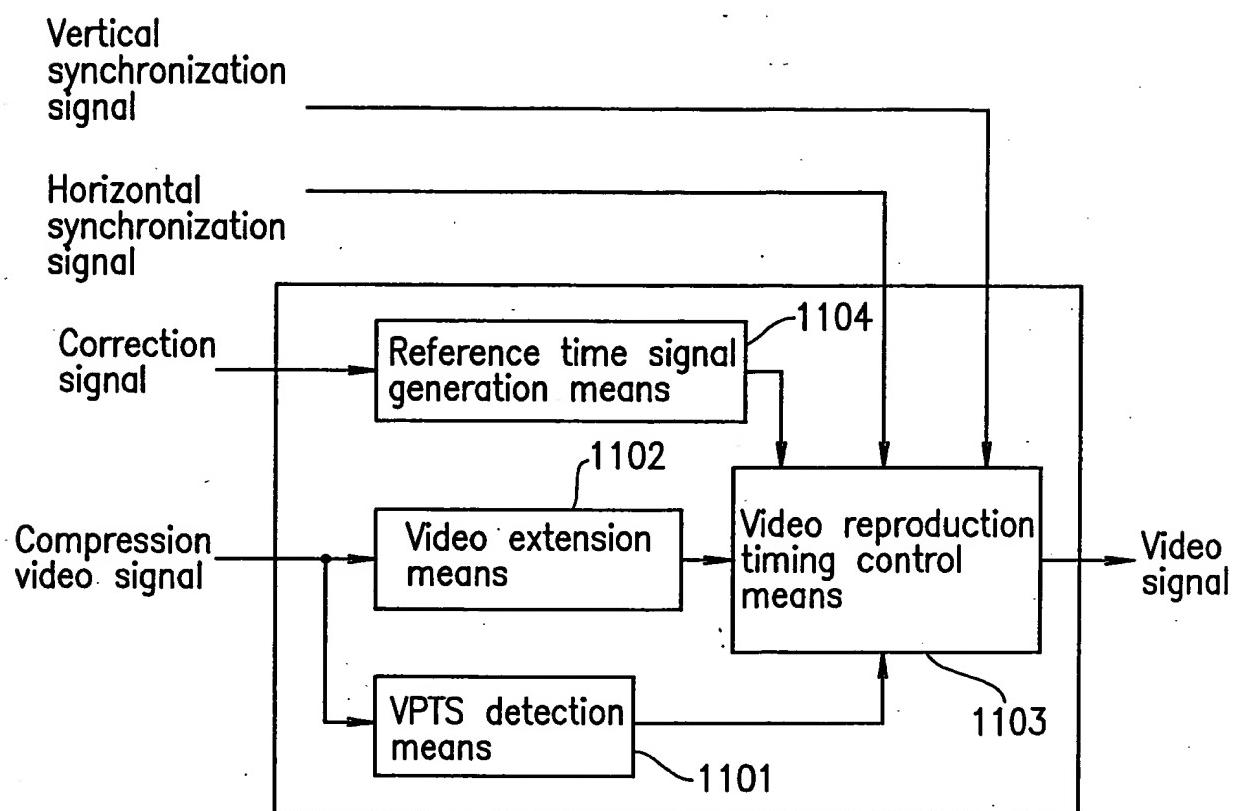
FIG. 49

FIG. 50

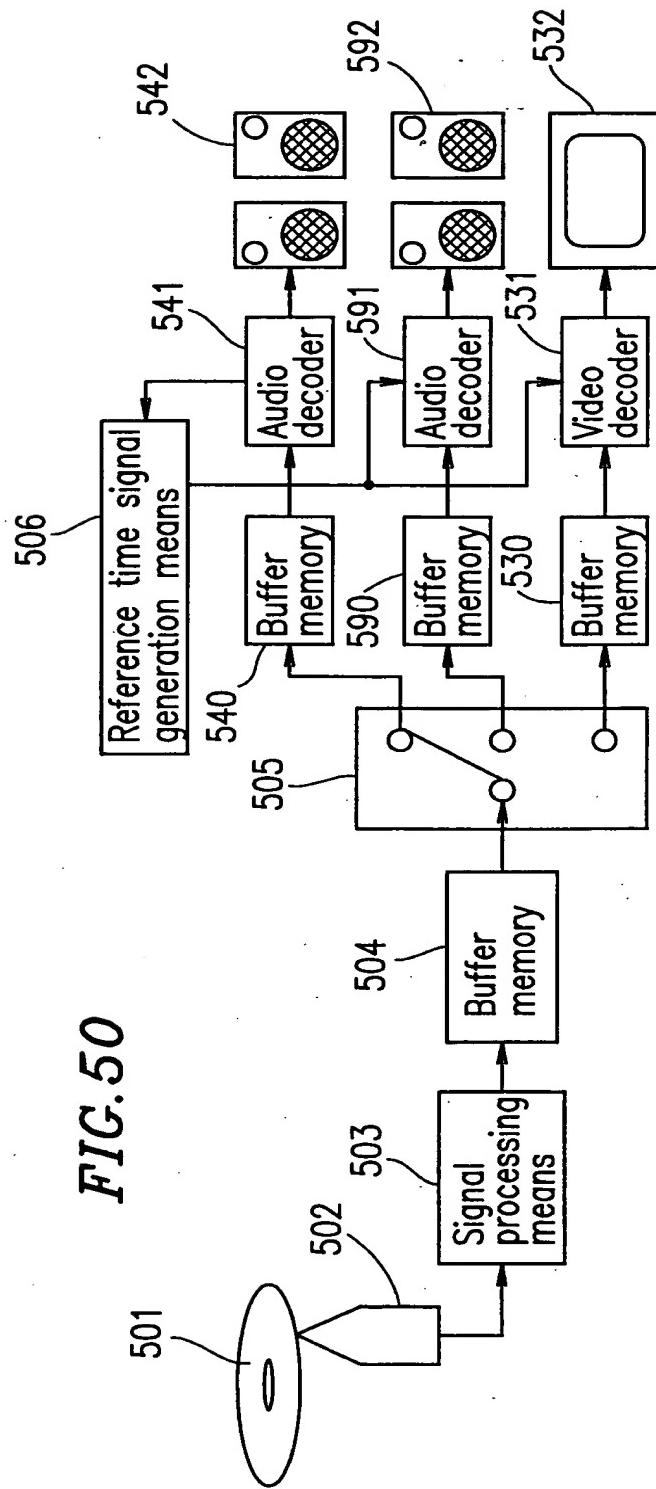


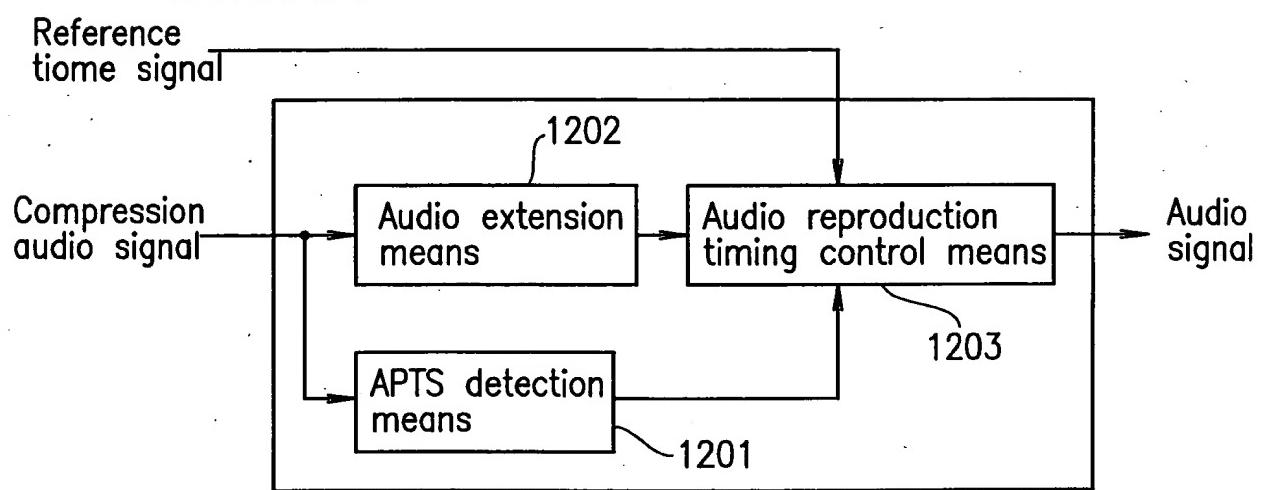
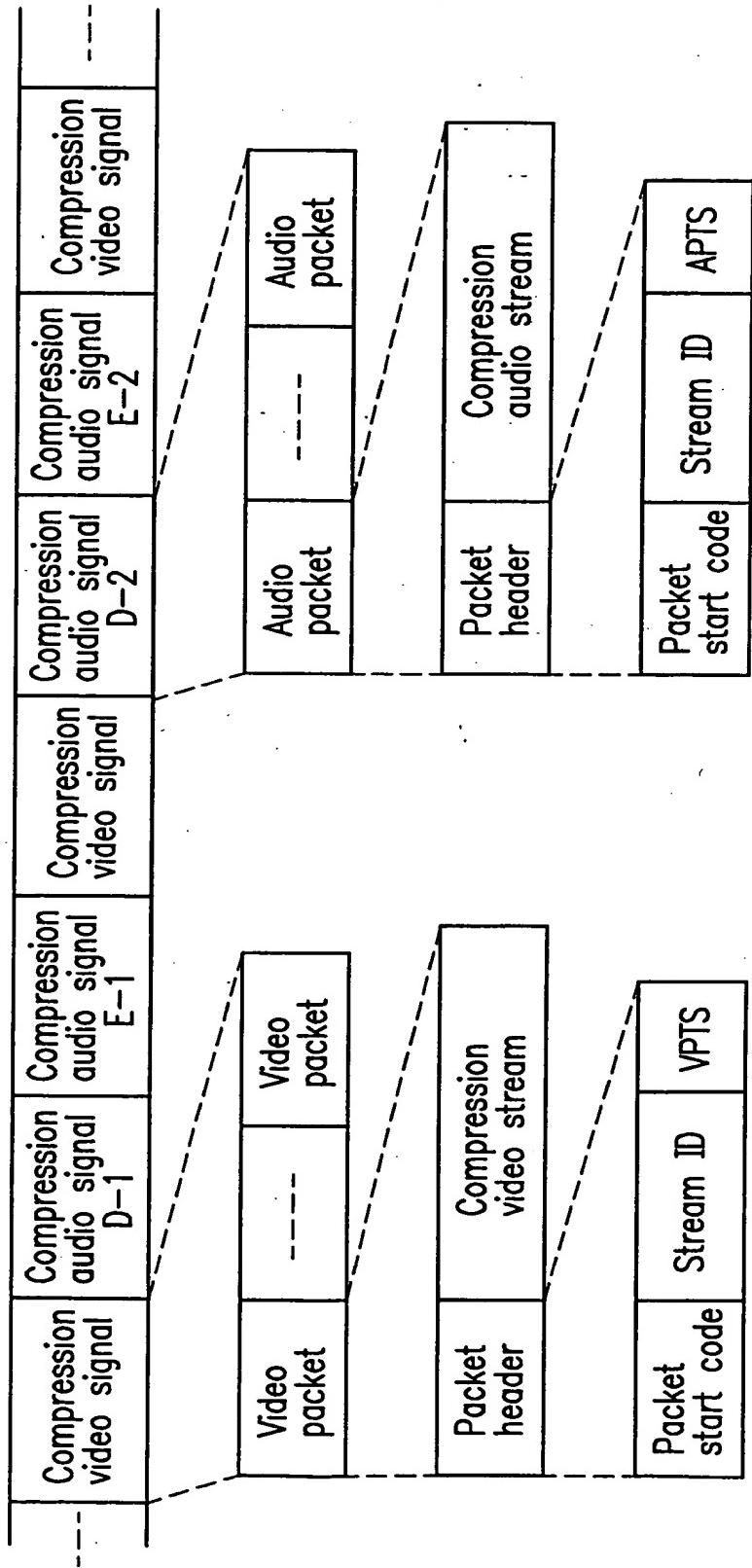
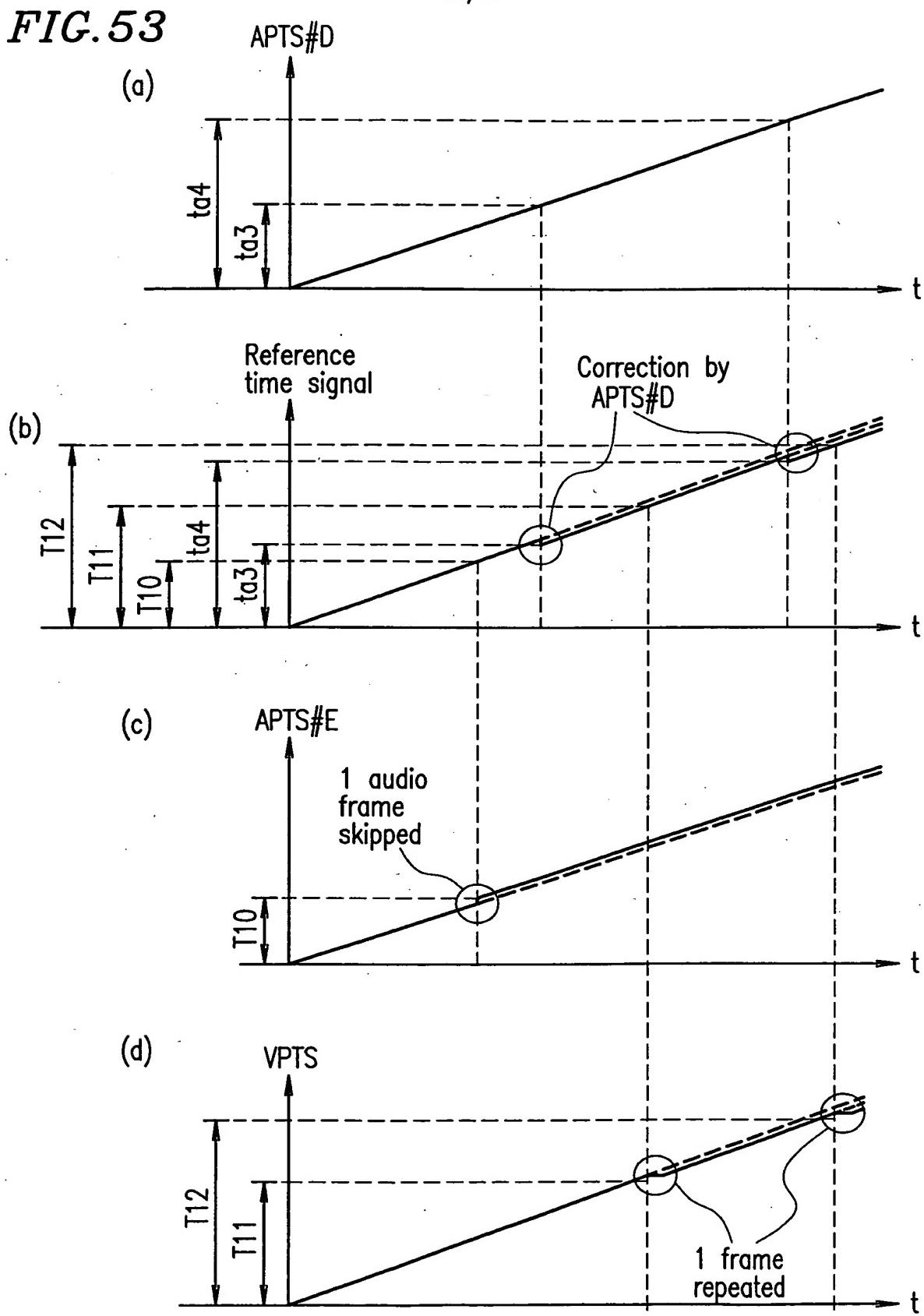
FIG. 51

FIG. 52



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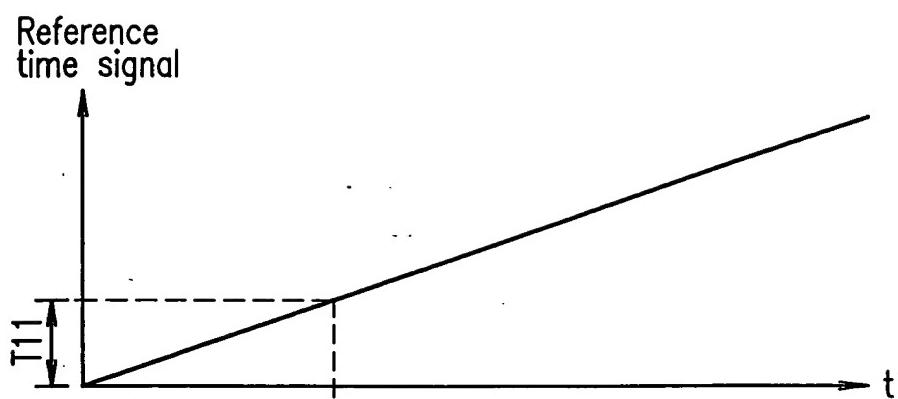
FIG.53



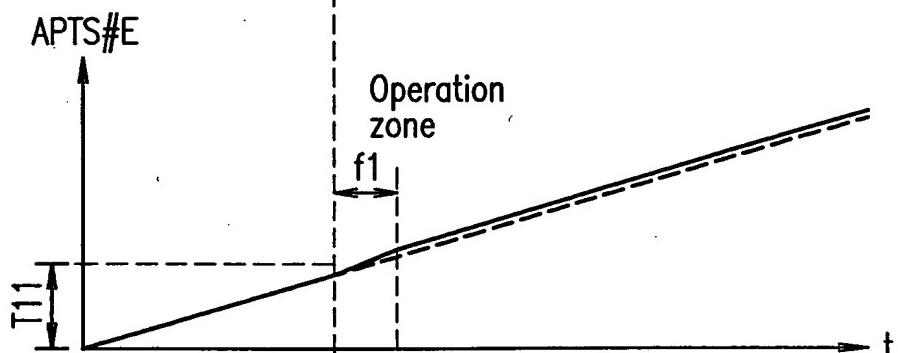
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FIG.54

(a)



(b)



(c)

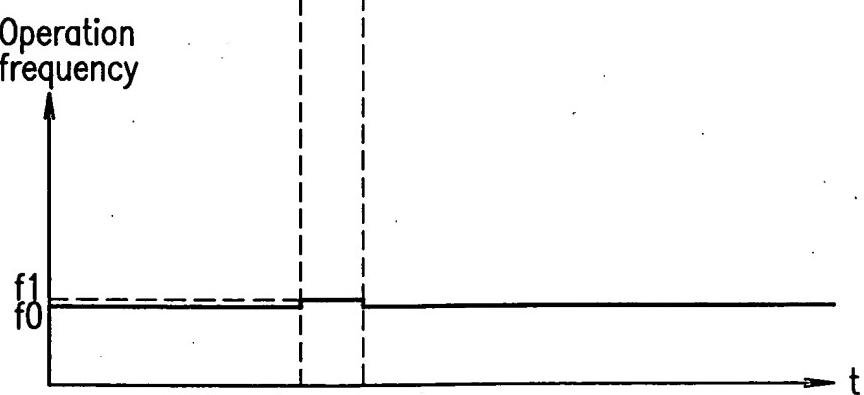
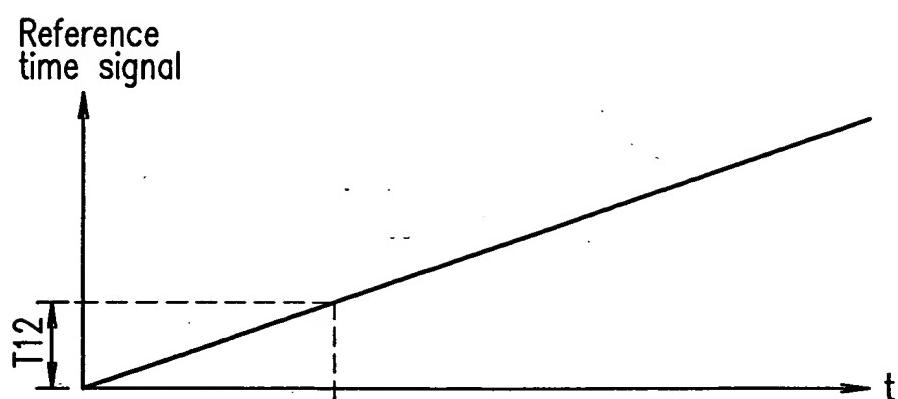
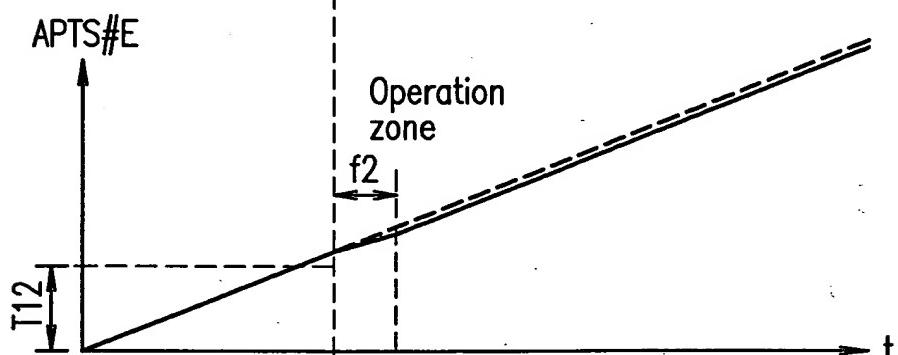


FIG.55

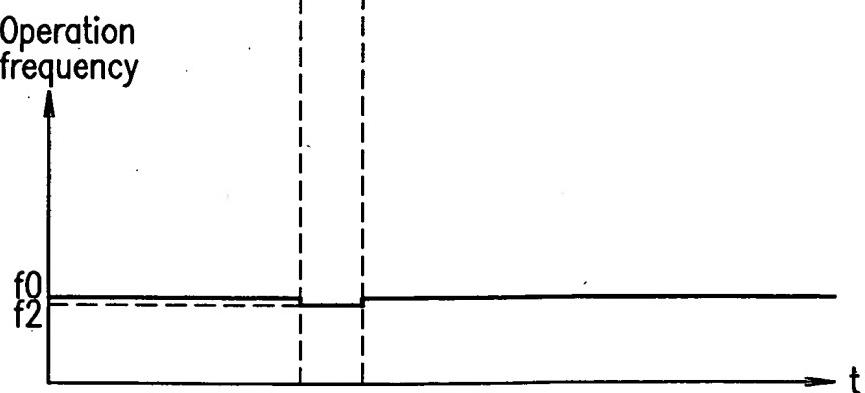
(a)



(b)



(c)



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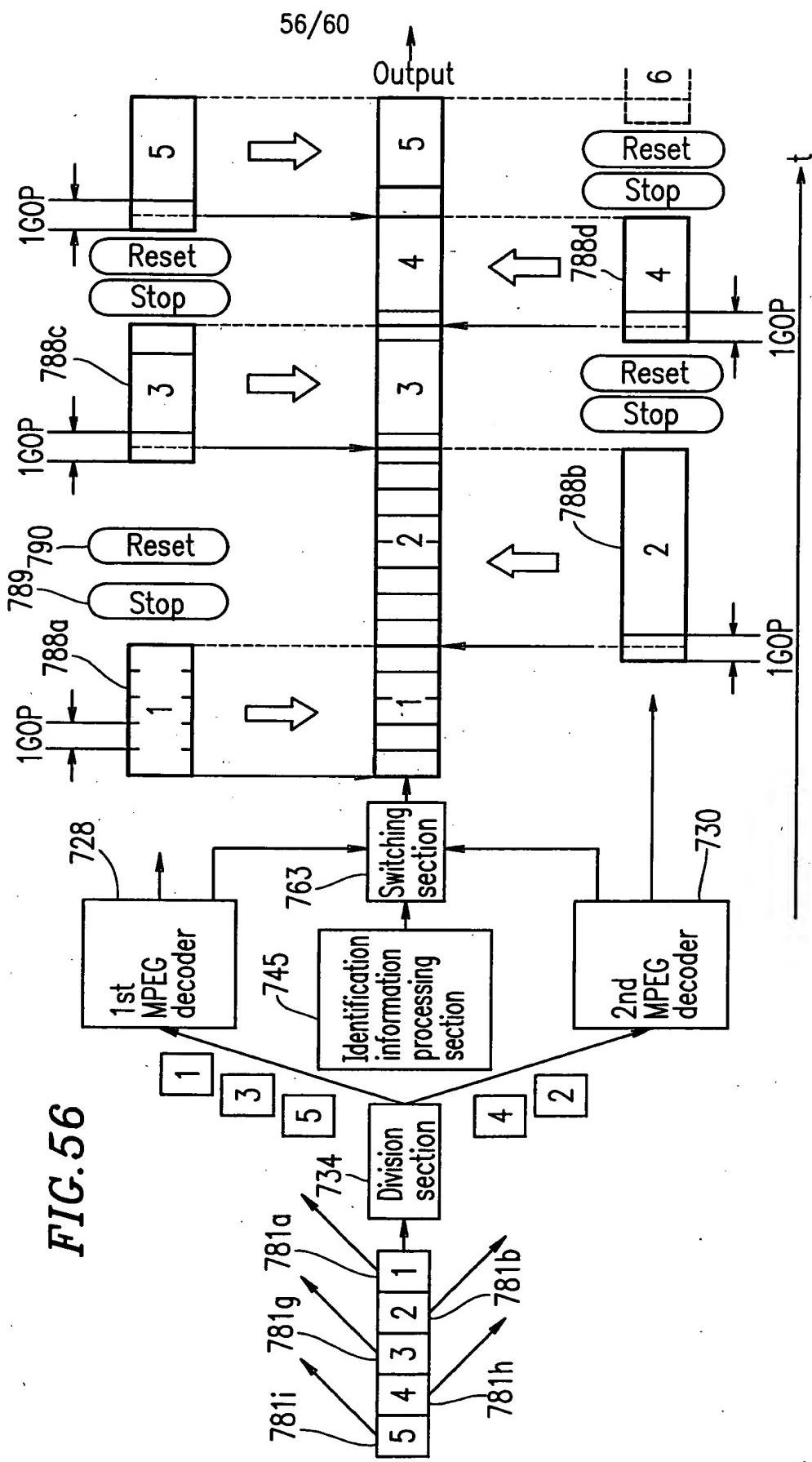
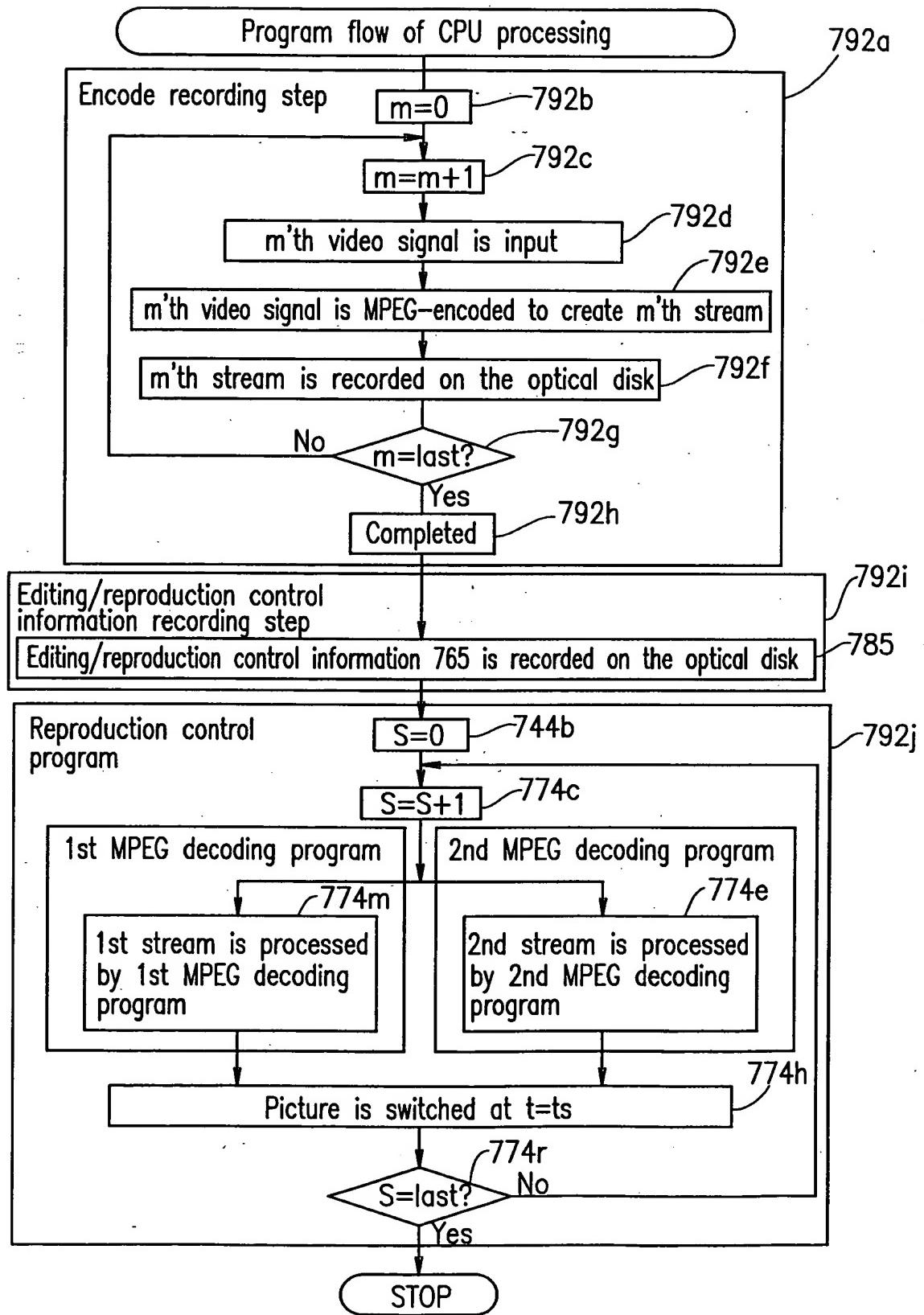
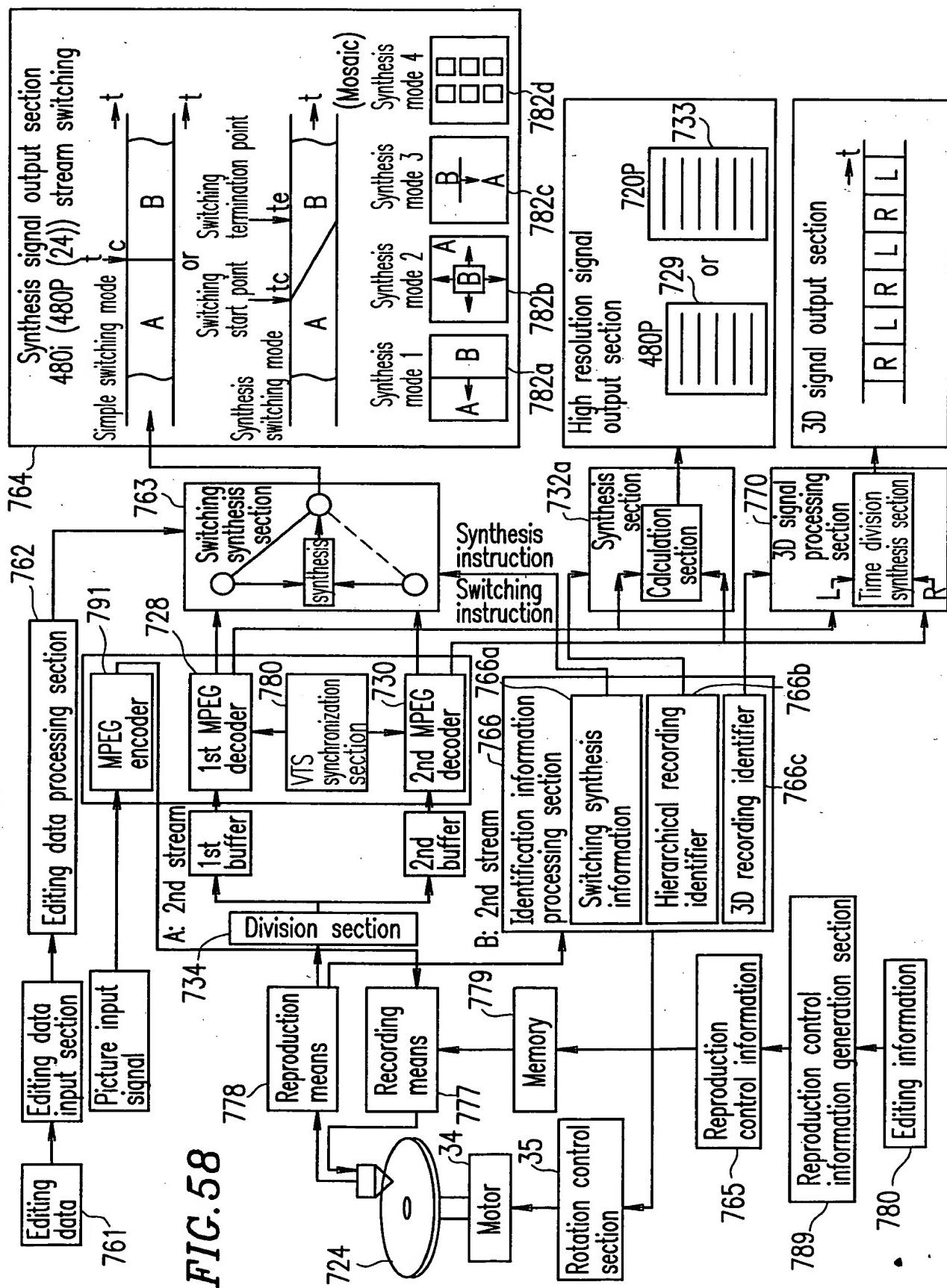


FIG. 57



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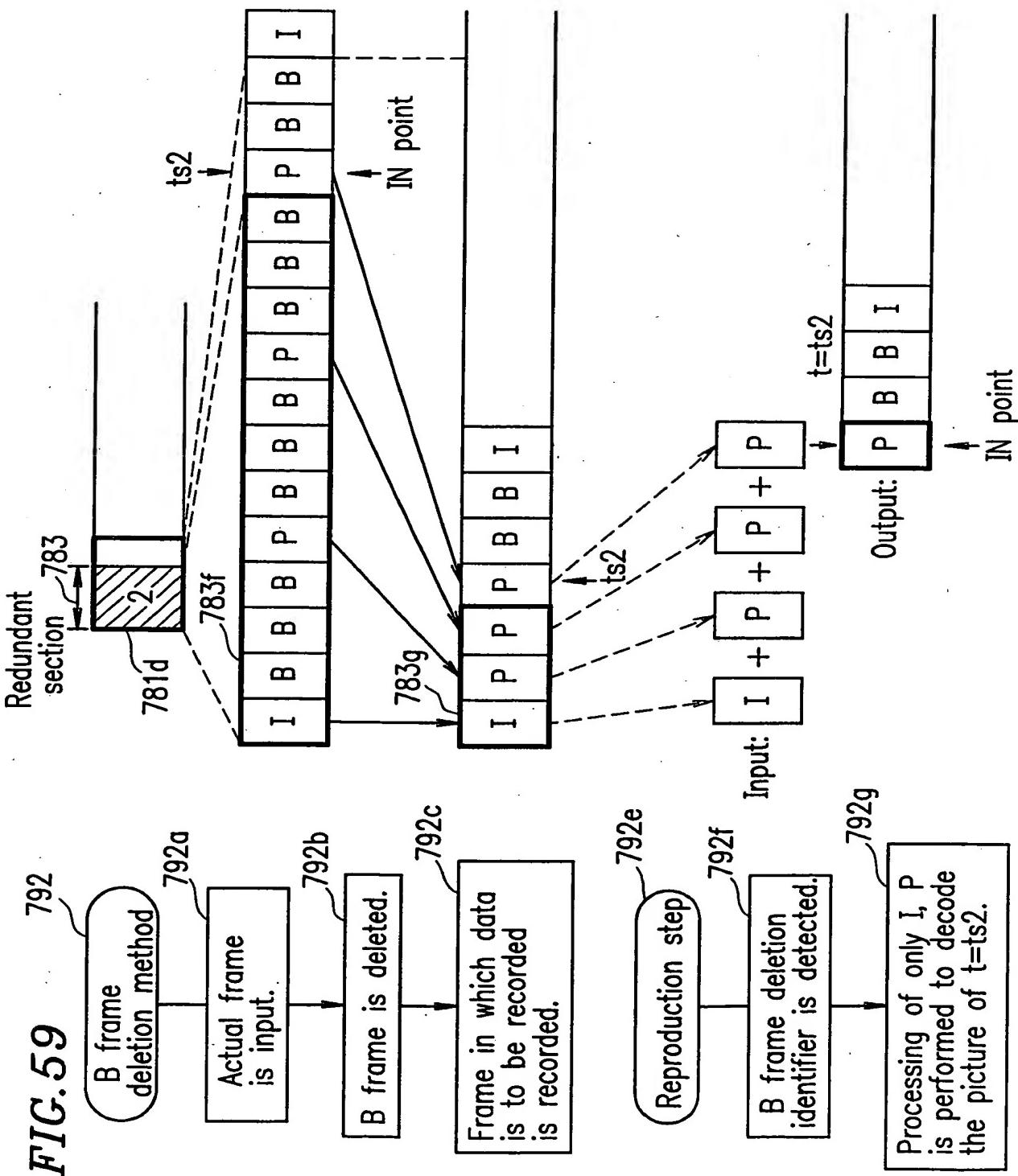


FIG. 60

